

NOV 03 2011

Mr. Martin L. Smith  
Director Corrective Measures and Landfill Engineering  
Clean Harbors Environmental Services, Incorporated  
13652 CR 180  
Carthage, Missouri 64836

RE: Clean Harbors, Incorporated  
2549 N. New York Avenue, Wichita, Kansas  
EPA ID No. KSD007246846

Dear Mr. Smith:

As we discussed November 2, 2011, enclosed is a copy of the Unified Focused Assessment Report concerning the assessment of potential releases of radium-226 at the former Reid Supply company, 2549 N. New York Avenue, Wichita, Kansas. This investigation was conducted by the Kansas Department of Health and Environment and transmitted to the U.S. Environmental Protection Agency in June 2010.

Please call me at (913) 551-7141 if you have any questions.

Sincerely,

Christine R. Jump, P.G.,  
Project Manager  
Waste Remediation and Permitting Branch  
Air and Waste Management Division

Enclosure

cc: Kelsee Wheeler - KDHE-BER (w/o Enclosure)

AWMD/WRAP/CJ/bft:11/02/11:H:AWMD/WRAP/Cores12/CJ:TransmitradiumassessmenttoS-K.doc

WRAP WRAP  
Jump Johnson *WD*  
11/2 /11 11/2 /11

512078



RCRA



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7  
901 NORTH 5TH STREET  
KANSAS CITY, KANSAS 66101

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Christine R. Jump, P.G.,  
Project Manager  
Waste Remediation and Permitting Branch  
Air and Waste Management Division

Enclosure

cc: Kelsee Wheeler - KDHE-BER (w/o Enclosure)



Kathleen Sebelius, Governor  
Roderick L. Bremby, Secretary

DEPARTMENT OF HEALTH  
AND ENVIRONMENT

[www.kdheks.gov](http://www.kdheks.gov)

June 21, 2010

RCAP RECEIVED

JUN 23 2010

Ms. Chris Jump  
U.S. EPA Region VII, Air and Waste Management Division  
901 North 5<sup>th</sup> Street  
Kansas City, Kansas 66101

**RE: Unified Focused Assessment Report for the Safety Kleen (Wichita) Site (Reid Supply), Wichita, Sedgwick County, Kansas  
KDHE I.D. No. # C208770722**

Dear Ms. Jump:

The Kansas Department of Health and Environment (KDHE) is submitting the Unified Focused Assessment (UFA) for the Reid Supply/Safety Kleen site. The UFA was conducted to further assess potential releases of radium-226 at the site from historical information that indicated Reid Supply potentially handled waste paint from several radium dial repair facilities in Wichita. The UFA documents the results of the previous surface survey that indicated the presence of radium-226 at the site above measured background levels. KDHE defers any additional response actions regarding the radium-226 to be included in the facility-wide Resource Conservation and Recovery Act (RCRA) Corrective Action process ongoing at the Safety Kleen facility. If you have any questions relative to the UFA, please feel free to Kelsee Wheeler, the KDHE Project Manager, at (785) 296-1541 or [kwheeler@kdheks.gov](mailto:kwheeler@kdheks.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Randolph L. Brown".

Randolph L. Brown, L.G.  
Unit Chief, Site Assessment Unit  
Remedial Section  
Bureau of Environmental Remediation

rlb/Attachments

c: Kelsee Wheeler-> Site File C208770722

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JUN 23 2010

Curtis State Office Building  
1000 SW Jackson, Suite 410  
Topeka, Kansas 66612-1367

## Kansas Department of Health and Environment

## Unified Focused Assessment Report



Safety-Kleen (Wichita) Inc.  
Facility (NIC) Site  
2549 North New York Ave.  
Wichita, Kansas

Bureau of Environmental Remediation

# **UNIFIED FOCUSED ASSESSMENT REPORT**

**Safety-Kleen (Wichita) Inc. Facility (NIC) Site  
2549 N. New York Ave., Wichita, Kansas**

**Prepared by:  
Kansas Department of Health and Environment  
Bureau of Environmental Remediation  
Remedial Section  
Site Assessment Program**

**Date: June 2010**

**State ID: C2-087-70722**

**Project Manager: Kelsee Wheeler, Geology Associate**

**Field Team Member:  
John Jones, Environmental Scientist II**

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## **1.0 Introduction**

### **1.1 Purpose**

Property at the Safety-Kleen (Wichita) Inc. Facility (NIC) Site was recommended for an environmental assessment as a result of a process that identified and ranked radium dial shop facilities in Kansas. The recommendation came after it was determined that predecessor operators of the site may have received waste solvents from former radium dial manufacturers/recyclers and that there may have been releases of radiologic materials to the environment. The assessment is referred to as a Unified Focused Assessment (UFA) because elements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) assessment; American Society for Testing and Materials (ASTM) Phase I and Phase II environmental assessments; and *All Appropriate Inquiry* (AAI) components are included in the scope of the UFA assessment process (References 1, 2, 3). The purpose of this UFA is to determine whether the Safety-Kleen (Wichita) Inc. Facility (NIC) Site poses a threat to human health and the environment and to propose recommendations for further action if necessary. Currently owned and operated by Clean Harbors Kansas, L.L.C., the UFA performed for this property was consistent with the KDHE Work Scope for Radium Dial Shops (References 6, 11). For the purposes of this UFA report, the site will be referred to as Safety-Kleen (Wichita).

### **1.2 General History**

Radioluminescent paint and radium luminous compounds have been used extensively on watch and clock faces since the early 1900's. The use of early consumer products having radium as a component (hair tonic, toothpaste, ointments, elixirs, etc.), was terminated relatively quickly for health and safety reasons as the effects of radium exposure were elucidated. The wide use of radium in luminescent paints continued through World War II because the soft glow of radium-produced luminescence made aircraft dials, gauges, and other instruments visible to operators at night. Radium bromide is often mixed with zinc sulphide to produce a mixture used for luminous dials. The radium gives off radiation causing the zinc sulphide to glow (References 17, 23, 24).

By the 1960's more than 75 percent of the light aircraft produced in the United States were fabricated in the vicinity of Wichita, Kansas. Radium dial repair shops were set up in the Wichita area soon after World War II to upgrade and repair radium-bearing aircraft instruments. During this repair process the dials containing radium-bearing paint were removed, the radium-bearing paint stripped from the dials with solvent, and the dials repainted. These teardown and dial-stripping operations are potential sources for solvent, heavy metal, and radium contamination of buildings, soil, and groundwater. Radium-226 (the first radioactive material used in radioluminescent paint) has not typically been used in commercial dial instrument repair in Kansas since the 1970's (Reference 5).

In Kansas, these types of facilities are or were licensed or should have been licensed by KDHE's Bureau of Air and Radiation (BAR) to use or manage radioactive materials.

(Reference 5). Management of the spent solvents as hazardous wastes has been administered by KDHE's Bureau of Waste Management (BWM) under the Resource Conservation and Recovery Act (RCRA) since the late 1970's (Reference 13).

## **2.0 Property Location and Description**

The Safety-Kleen (Wichita) Site is located at 2549 North New York Avenue in the north-central portion of Wichita, Sedgwick County, Kansas. The multi-parcel, six (6) acre site is located in the N½, N½, NE¼, SE¼ of Section 4, Township 27 South, Range 1 East (Figure 1). Adjacent properties are the Missouri Pacific Railroad (MoPac RR) and the Union Pacific Railroad (UPRR) facilities to the north and west, the former El Paso Corporation (f.k.a. Coastal-Derby) refinery to the south. New York Avenue, East Fork of Chisholm Creek, Hwy I-135 and a residential area are to the east (Figure 2).

## **3.0 Property Background**

### **3.1 History**

Reid Supply Company owned and operated at the site under the address 2525 N. New York Ave. from the mid-1970's to early 1986, managing hazardous wastes subject to RCRA regulation. Wastes handled by Reid Supply included spent solvents, spent electroplating baths, and sludge generated off-site. Prior to Reid Supply the site was developed and operated by the Enmar Paint Company (References 5, 6, 12).

Facility operations were separated by 25<sup>th</sup> Street in the eastern portion of the site. The North Plant (north and east of 25<sup>th</sup> St.) is where bulk storage and solvent reclamation through settling and distillation occurred, and the South Plant (west and south of 25<sup>th</sup> St.) is where blending occurred to produce fuel supplements for off-site energy recovery. Other waste was shipped to another RCRA facility for treatment or disposal. Reid Supply ceased hazardous waste operations at the North Plant in 1985 (References 6, 12).

Reid Supply sold the facilities at the North Plant to Service Chemical Supply Company (SCSC) in early 1986, but retained the title to the property. SCSC conducted operations that involved acid repackaging and the distribution of industrial chemicals. In January 1990 SCSC moved its operation from the site (References 6, 12).

Ownership of the property changed many times after 1985 but use of the property and buildings was always chemical processing and waste management activities, including the recycling or processing of solvents and other wastes, and the blending of wastes for kiln fuel. Conservation Services, Inc., purchased assets including the RCRA permit from Reid Supply in 1986. Hydrocarbon Recyclers, Inc., (HRI) a subsidiary of U.S. Pollution Control, Inc., (USPCI) acquired Conservation Services, Inc., in 1988. USPCI was owned by Union Pacific Corporation from 1988 through 1994. Laidlaw Environmental Services purchased USPCI in 1995. Laidlaw Environmental Services changed the name to Safety-

Kleen, Inc., after acquiring Safety-Kleen in 1998. Clean Harbors, Inc., and certain of its subsidiaries purchased Safety-Kleen Corporation's Chemical Services Division in September 2002. As a result of the sale, Clean Harbors Kansas, LLC, became the new owner of the regulatory permits and operator of the equipment assets located at the former Safety-Kleen (Wichita), Inc. facility (References 6, 12).

The Clean Harbors facility (EPA ID # KSD007246846) is a hazardous waste management facility operating under a Resource Conservation and Recovery Act (RCRA) permit dated March 29, 1995 (Reference 6).

Office and warehouse facilities at 911 E. Indianapolis in Wichita, that had been concurrently owned and used by the Reid Supply Company, were later identified as a source of contamination in the Gilbert & Mosley Site (References 6, 9).

### **3.2 Previous Investigations**

Suspecting that radium dial shops were among the sources of waste solvents being shipped to the facility for processing, KDHE conducted a radiation survey on March 26, 1980, at the Reid Supply facility on N. New York Avenue. One (1) aboveground storage tank (AST) and several drums containing waste solvents and/or sludge at the South Plant were identified as having high levels of radiation. Multiple drums registered up to 2,500 counts per minute on survey instruments. The contents of these drums, shipped for recycling to Reid Supply from other companies, were presumed radioactive materials (Reference 5).

In 1986 chlorinated solvents were detected in monitoring wells located immediately down-gradient of the facility. Inspection files from the 1970s and 1980s contain numerous reports of poor handling practices of chemicals on site. Chemical recycling and processing operations have been conducted at this facility under multiple names: Reid Supply Company, Service Chemical Supply Company, Hydrocarbon Recyclers, Inc., USPCI, Laidlaw, and Safety-Kleen (Wichita), Inc. (References 6, 12).

In 1992 EPA conducted a RCRA Facility Assessment (RFA) at the facility and confirmed the presence of chlorinated solvents in the groundwater and soil. In 1998 EPA directed a RCRA Facility Investigation (RFI) be completed. The RFI began in November 1999 and is being conducted in a phased approach. EPA is the lead agency for the RFI; however, the KDHE Bureau of Environmental Remediation (BER) is taking an active consultative role because the facility is located within the North Industrial Corridor (NIC) Site which is under KDHE/BER lead (Reference 6).

KDHE conducted a surface radiation survey October 1, 2009, to further assess the 1980 findings. A former drain line was identified with gamma detections above background (Reference 7).

### **3.3 Records Review**

Environmental records searches, consistent with ASTM 1527, were conducted to determine if contaminant releases, environmental assessments, or remedial actions have occurred on or adjacent to the property. Environmental records information was used to determine if state- or federally-regulated facilities are located on or adjacent to the property and, if necessary, would be used to develop an assessment sampling strategy for the property.

#### **3.3.1 Aerial Photographs**

Aerial photographs of the site dated 1938, 1950, 1968, 1974, 1983, 1992, 2002, and 2006 are available from KDHE Geospatial Services. These historical aerial photographs were reviewed to obtain information concerning history of development on and near the site. Evaluation of these aerials may be limited by a photo's quality and scale. Descriptions of selected photographs are summarized below and copies are included in Appendix 10.2. The 2006 photograph is displayed in Figures 2 and 3 in Appendix 10.1 and Property Parcel Map in Appendix 10.3.

#### **Historical Aerial Photographs**

Direction	Description
Site	1938: The site is a mix of vacant land and residential/farmstead structures. 1950: Some buildings are present in the western portion. Presumably Enmar Paint Co. 1968: Facility buildings, structures (including ASTs) and parking areas are present east and west of 25 <sup>th</sup> St. Possible drum storage is adjacent to residences in the western portion. 1974: Buildings are still present but parked vehicles, ASTs, drums and residences are gone. 1983: Buildings are present and some outside operational structures have been replaced. Stored materials in western portion where residences had been are enclosed by a fence. 1992: Few new buildings added, stored materials in western portion have been replaced with a few vehicles/trailers. 2002: No apparent change from previous aerial photograph. 2006: No apparent change from previous aerial photograph.
North	1938: MoPac RR facilities, roundhouse, rail spurs in western portion. Cropland in the east. 1950: No apparent change from previous aerial photograph. 1968: Roundhouse gone. Buildings, rail spurs and an AST are located in the western portion. Buildings and possibly two ASTs are in the eastern portion. 1974: Little change from previous photograph. 1983: Several buildings are gone in both areas. One new horizontal AST is in the west and one AST and small building remain in the eastern portion. 1992: Little to no change in the west. AST and building are gone in the east – land is vacant. 2002: Little to no change in the west. New east-west rail spurs are on vacant land in the east. 2006: Little to no change. Two areas of piled rock are in the central portion.
East	1938: New York Ave, East Fork of Chisholm Creek, rural residential and cropland. 1950: No apparent change from previous aerial photograph. 1968: Apparent construction for I-135 over creek and residential development to east. 1974: Same as previous aerial photograph with I-135 completed. 1983: No apparent change from previous aerial photograph. 1992: No apparent change from previous aerial photograph. 2002: No apparent change from previous aerial photograph. 2006: No apparent change from previous aerial photograph.

South	1938: Rural residence south of western edge and cropland in the remaining area. 1950: Same as previous with increased residential density and large AST beyond cropland. 1968: Same in western portion. Large refinery ASTs replacing cropland in eastern portion. 1974: Same in eastern portion. Residences in western portion gone – land vacant. 1983: Same in eastern portion. Refinery equipment storage on vacant land in western portion. 1992: No apparent change from previous aerial photograph. 2002: Same in east portion. Possible loading facility replaces vacant land in western portion. 2006: Same in western portion. Large ASTs are gone – land is vacant in eastern portion.
West	1938: Vacant land with limited residential and two rail lines beyond. 1950: New residence in vacant portion and limited development between rail lines. 1968: Same with grain elevator extension and more spurs between rail lines 1974: Same, but residences gone – land vacant. 1983: Same with limited equipment/materials storage on vacant land. 1992: No apparent change from previous aerial photograph. 2002: Same with road to possible loading facility and increase in materials being stored. 2006: No apparent change from previous aerial photograph.

### 3.3.2 Property Ownership

A review of county appraiser and register of deeds records to evaluate current property ownership was performed by online access to the Sedgwick County, Kansas Appraiser's Office website. Parcel lines and labels are displayed on a 2006 aerial photograph of the site in Appendix 10.3 (Reference 19). Five (5) parcels make up the site and all are owned by Clean Harbors Kansas L.L.C., who obtained title to the property from Safety-Kleen (Wichita), Inc., in September 2002 (References 6, 19). The site property consists of 2525 and 2549 N. New York Avenue.

### 3.3.3 Historical Maps

There are no Sanborn maps available for the site property (Reference 20).

### 3.3.4 Receptors

Internet mapping services and topographic, county, and city maps were used to locate and identify potential receptors. Receptors such as schools, preschools, parks, churches, and hospitals within 0.5 mile of the Safety-Kleen (Wichita) Site were located. Surface water bodies, wetland ecosystems, and other aquatic and terrestrial ecosystems within a one-mile radius were also identified. The existence of public water supply wells, domestic wells, and public water supply surface water intakes were determined within a one-mile radius of the property.

### 3.3.5 Federal and State Contaminated Site Search

United States EPA and state database information was provided by Environmental Data Resource, Inc., (EDR) in their Radius Map Report (Reference 4). EDR included 12 ASTM-required databases in its search of environmental records. See Table 1 (federal) and Table 2 (state) in Appendix 10.1 for a list of these databases, their corresponding ASTM radius distance, and the number of facilities reported within each radius distance. The scope of the records review did not include confirmation of the facilities listed as

unmappable or orphan by regulatory databases. This radius map for the Safety-Kleen (Wichita) Site can be found in the EDR report. Due to the size of the EDR Radius Map Report (787 pages), only a portion is provided in Appendix 10.4.

## **4.0 Physical Setting**

### **4.1 Current Site Conditions**

Clean Harbors Kansas L.L.C. owns and operates the site under the address 2549 North New York Avenue. The 2006 aerial photograph shows how the buildings and parking areas are situated on both sides of 25<sup>th</sup> Street (Figure 2).

### **4.2 Land Use**

North New York Avenue is directly east of the site property, followed by the East Fork of Chisholm Creek, Hwy I-135, and a residential area. To the south is the former El Paso Corporation (f.k.a. Coastal-Derby) refinery. The rail lines and spurs and associated facilities of MoPac RR and/or UPRR are located to the north and west (Figure 2).

### **4.3 Soils and Geology**

The topography is relatively flat with an elevation of approximately 1305 ft above mean sea level. The topography is influenced by the drainage basin of the Arkansas River. Tributaries to the Arkansas River that drain surface water runoff from the site include the East Fork of Chisholm Creek, immediately to the east, and an unnamed intermittent stream approximately 0.3 mile west of the site. Surface water then flows less than one mile to the south into a man-made drainage canal that follows Hwy I-135 south for approximately six (6) miles before entering the Arkansas River (Reference 25).

On-site soils consist primarily of the Urban land-Tabler complex with some of the Urban land-Elandco complex in the easternmost one-third. These soil complexes are deep, nearly level, moderately well to well drained on smooth, flat terraces and floodplains. Permeability through the Tabler soil is very slow and moderate through the Elandco, while runoff is slow for both. In most areas they are artificially drained and covered by urban structures that obscure or alter features so they cannot be identified (Reference 22).

The site property is situated upon unconsolidated alluvium and terrace deposits of the Arkansas River. Bedrock at the site is comprised of the Wellington Formation at a depth of 30 to 40 feet below surface and is approximately 400 feet thick. The formation consists primarily of calcareous blue and gray shale containing several thin beds of impure limestone and thin beds of gypsum and anhydrite. Some beds of maroon and gray-green shale occur near the top of the formation. The Wellington Formation is considered the lower confining unit at the site. Beneath these strata lie older Paleozoic sedimentary rocks, which are underlain by Precambrian granite (References 15, 16).

#### **4.4 Hydrogeology**

Groundwater in the vicinity of the property occurs primarily in alluvial sand and gravel deposits. Existing data show groundwater flow is to the southeast (Reference 7).

### **5.0 Receptors**

#### **5.1 Human Receptors and Risk**

The Safety-Kleen (Wichita) site property is located at 2549 North New York Avenue in Wichita, Kansas. This part of Wichita contains a mix of commercial, industrial, and residential properties (Figure 2). The commercial property is located to the north, and the residences are located to the east and southeast beyond North New York Avenue, East Fork of Chisholm Creek and Highway I-135.

##### **5.1.1 Soil Pathway**

Potential soil pathway and direct contact receptors include employees at the property as access to the property is restricted by a boundary fence (Reference 7). The nearest residences are located approximately one-tenth mile to the east and one (1) church, one (1) park and two (2) schools located to the east and southeast within one mile of the site (Reference 25).

##### **5.1.2 Risk**

Potential direct contact exposure pathways include dermal contact or close proximity to and the ingestion or inhalation of contaminated soils. A potential source area for radium-226 was identified on the property through the surface radiation survey. The Safety-Kleen (Wichita) site and upgradient areas in the NIC site boundary are known sources of chlorinated and/or refined hydrocarbon and heavy metal contamination in soil and groundwater. Contamination at the Safety-Kleen (Wichita) site is being addressed by Clean Harbors Kansas, L.L.C., under EPA through the RCRA corrective action process and the remaining source areas within NIC are being addressed by responsible parties (RPs) and the City of Wichita under KDHE through consent agreements (Reference 6).

##### **5.1.3 Groundwater Pathway**

The City of Wichita obtains its public water supply from surface water in Cheney Reservoir and groundwater from the Wichita Well Field located west and northwest of Wichita, respectively (Reference 4).

A comprehensive list of well records within a one-mile radius of the site property was prepared by EDR, a contract services company, and is included in Appendix 10.4 (Reference 4). The EDR list indicates 901 state water well records, 53 federal water well records, and 78 oil and gas well records. The Kansas Geological Survey (KGS) water

well database list for wells completed and plugged since 1975 is included in Appendix 10.5. The KGS list indicates there are 517 records for wells in Section 4, 86 in Section 3, 74 in Section 10 and 343 in Section 9, Township 27 South, Range 1 East. Within a one (1) mile radius of the Safety-Kleen (Wichita) site there are records for three (3) domestic wells in Section 4, two (2) domestic wells in Section 3 and no domestic wells in Sections 9 or 10 (Reference 15). No public water supply wells were listed in either database. The number of potential drinking water targets associated with domestic wells is 12.2 (five wells multiplied by 2.44 average number of persons per household in Wichita) (Reference 21).

#### **5.1.4 Risk**

Releases to groundwater of volatile chlorinated and refined petroleum hydrocarbons have been documented on-site as well as in upgradient and downgradient areas of the Safety-Kleen (Wichita) site. The groundwater pathway appears to pose the most significant threat from this and other sites in within the NIC boundary. At least 13 people would be considered potential drinking water targets.

### **5.2 Environmental Receptors and Risk**

#### **5.2.1 Receptors**

Site reconnaissance activities and UFA research identified a small, dry tributary to the East Fork of Chisholm Creek located adjacent to the north boundary of the site property east of 25<sup>th</sup> Street. Two (2) storm drains from the site property were observed north and northwest of Building 'I' (Figure 3) (Reference 7). Surface water runoff from this portion of the site will likely flow overland to these storm drains and flow into the East Fork of Chisholm Creek and downstream to the Arkansas River.

#### **5.2.2 Risk**

Data obtained during the UFA suggested the potential for a release to the nearby East Fork of Chisholm Creek.

## **6.0 Assessment Activities**

### **6.1 Description of UFA Activities**

The following sections provide a description of the field activities conducted for the UFA on October 1, 2009. Field activities included a preliminary surface screening for radium-226 using a Ludlum model 2241-3 digital survey meter with a Ludlum model 44-2, one-inch diameter by one-inch thick, sodium iodide T1 scintillator probe. Field activities were recorded in the field logbook, a copy of which is provided in Appendix 10.6.

### **6.1.1 Field Objectives and Sampling Rationale**

Permission to access and survey all relevant areas of the Safety-Kleen (Wichita) site property was sought through the current land owner.

### **6.1.2 Field Procedures**

#### **6.1.2.1 Soil Sampling Methods**

No soil samples were taken during this investigation, as only a surface radiological survey was performed (see section 7.1)

#### **6.1.2.2 Groundwater Sampling Methods**

No groundwater samples were taken during this investigation. Previous investigations conducted at the Safety-Kleen (Wichita) site have shown that groundwater contains tetrachloroethane, trimethylbenzene, chlorobenzene, toluene, trichloroethene, and vinyl chloride at concentrations above KDHE Tier 2 Groundwater Pathway RSK levels (References 6, 14).

### **6.2 Sampling Plan Deviations**

Due to the high level of radium-226 detected during the surface radiological survey, KDHE will not finish out the standard sector assessment and will refer the site to EPA.

## **7.0 Assessment Results**

### **7.1 Field Screening Results**

A radiological surface soil survey of the Safety-Kleen (Wichita) site property using the Ludlum meter was conducted on October 1, 2009. The survey included the perimeter of the buildings and the parking lot. The highest surface reading recorded was 35 microroentgens per hour ( $\mu\text{R}/\text{hr}$ ) located northwest of building "I" (see Figure 3 and field notes in Appendix 10.6).

A general screening criteria of two times background (2x background) was used to determine potentially impacted areas of radium-226 contamination during the Ludlum screening survey. The 2x background level for the survey is more sensitive to the soil screening concentration of 5.0 picocuries per gram ( $\text{pCi/g}$ ) plus background than the standard CERCLA background comparison of 3x background used for metals.

The background location registered a maximum reading of 10  $\mu\text{R}/\text{hr}$ , with an associated 2x background of 20  $\mu\text{R}/\text{hr}$  (Reference 7).

## **8.0 Summary and Conclusions**

### **8.1 Summary**

The highest field-measured surficial background value for radium-226 at the Safety-Kleen (Wichita) site property was 10  $\mu\text{R}/\text{hr}$ . Radium-226 was detected during the surface radiological survey at a maximum 35  $\mu\text{R}/\text{hr}$ , along an apparent underground drain pipe leading from the northwest corner of Building "I" to a storm drain located near the north property fence in the eastern portion of the site.

KDHE performed the UFA in conformance with the scope and limitations of ASTM Practice E 1527-05.

The UFA results can be summarized as follows:

- Evidence of a Radium-226 release was found during the surface radiological survey with readings as high as 35  $\mu\text{R}/\text{hr}$ .

The UFA documented contamination from the following *Historical Recognized Environmental Condition* (HREC) in connection with the property:

- The Reid Supply Company formerly operated at the Safety-Kleen (Wichita) site, receiving and processing waste solvents from former radium dial shop facilities.
- The site is also a known source for multiple chlorinated hydrocarbon contaminants in soil and groundwater.

### **8.2 Conclusions**

Evidence of a radium-226 release was found along an onsite drain pipe feature during the surface radiological survey. Due to high level of radium-226 detected, KDHE will refer the site to the EPA, as well as provide a copy of this UFA.

## 9.0 References

1. American Society for Testing and Materials (ASTM). 2005. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. ASTM Standard E 1527-05. ASTM, West Conshohocken, Pennsylvania.
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22. United States Department of Agriculture (USDA). 1979. Soil Survey of Sedgwick County, Kansas. USDA, Soil Conservation Service, Washington, District of Columbia.
23. Unites States Department of Health, Education and Welfare (USDHE&W). 1969. Evaluation of Radium Contamination in Aircraft Instrument Repair Facilities. Public Health Service Publication 999-RH-36.
24. United States Department of Health and Human Services (USDH&HS). 1990. Toxicological Profile for Radium.
25. United State Geological Survey, Wichita East Quadrangle, 7.5 min. Topographic Series dated 1961, photorevised 1982.

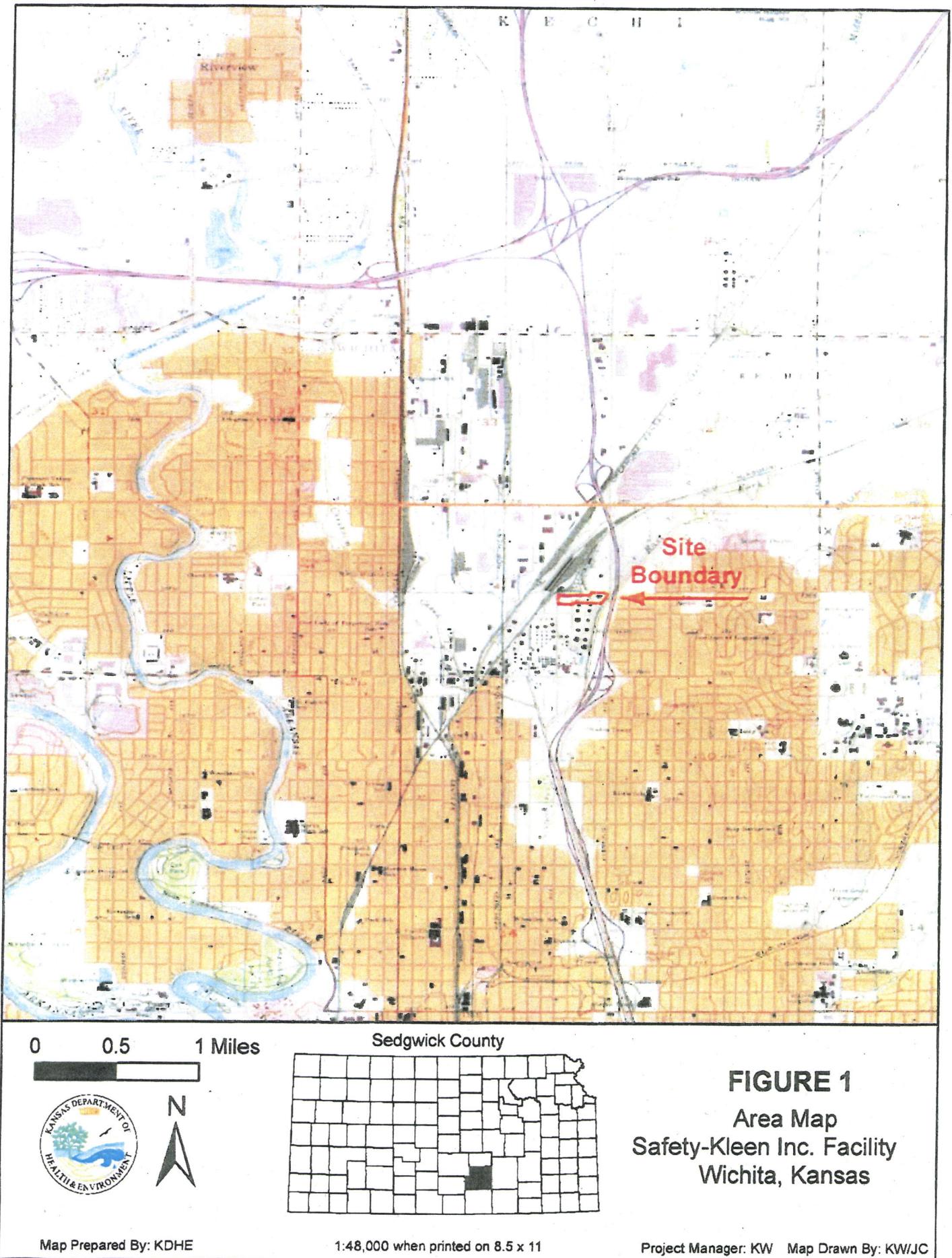
## **10.0 Appendices**

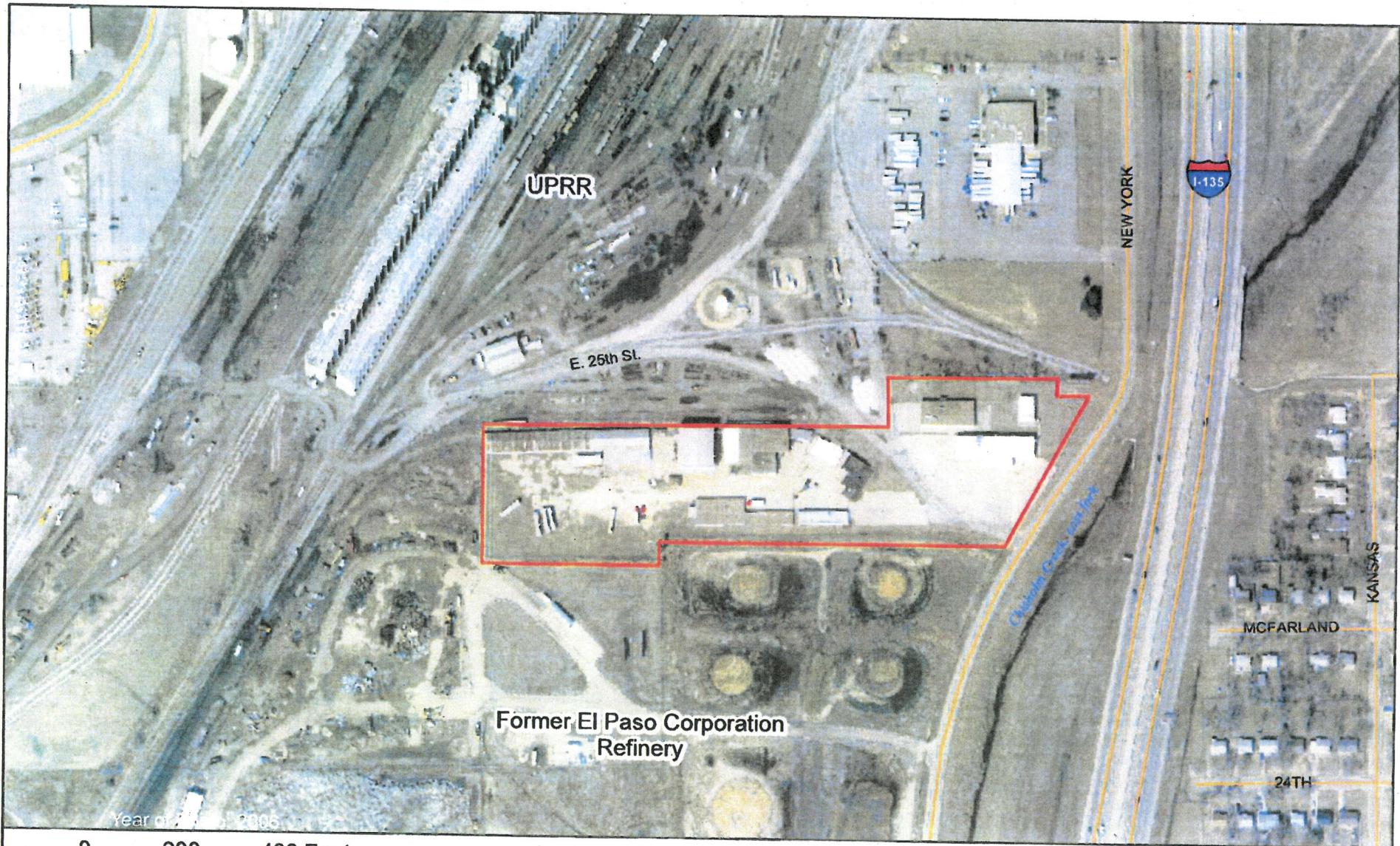
## **10.1 Tables and Figures**

**ASTM Required Databases**  
**Tables 1-2**  
**Safety-Kleen (Wichita) Inc. Facility (NIC) Site**  
**June 2010**

**Table 1**  
**Federal Databases**

Database	Description	Radius (miles)	Facilities
NPL	The National Priorities List (NPL) is the United States Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program	1	0
CERCLIS/ NFRAP	The CERCLIS database is a compilation of facilities the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. NFRAP (No Further Remedial Action Planned) refers to facilities that have been removed and archived from its inventory of CERCLA sites	0.5	1
RCRA CORRACTS/TSD	The EPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials that are undergoing "corrective action." A "corrective action" order is issued when there has been a release of hazardous waste or constituents into the environment from a RCRA facility.	1	1
RCRA Non- CORRACTS/TSD	The RCRA Non-CORRACTS/TSD database is a compilation by the EPA of facilities reporting the storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.	0.5	0
RCRA Generators	The Resource Conservation and Recovery Act (RCRA) Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large, small, or conditionally exempt. Large quantity generators (LQG) produce at least 100 kg/month of non-acute hazardous waste (NAHW) or 1 kg/month of acutely hazardous waste. Small quantity generators (SQG) produce 100-1000 kg/month of NAHW. Conditionally exempt small quantity generators (CESQG) are those that generate less than 100 kg/month of NAHW.	0.25	1
ERNS	The Emergency Response Notification System (ERNS) is a listing compiled by the EPA on reported releases of petroleum and hazardous substances to the air, soil, and/or water.	0.125	0



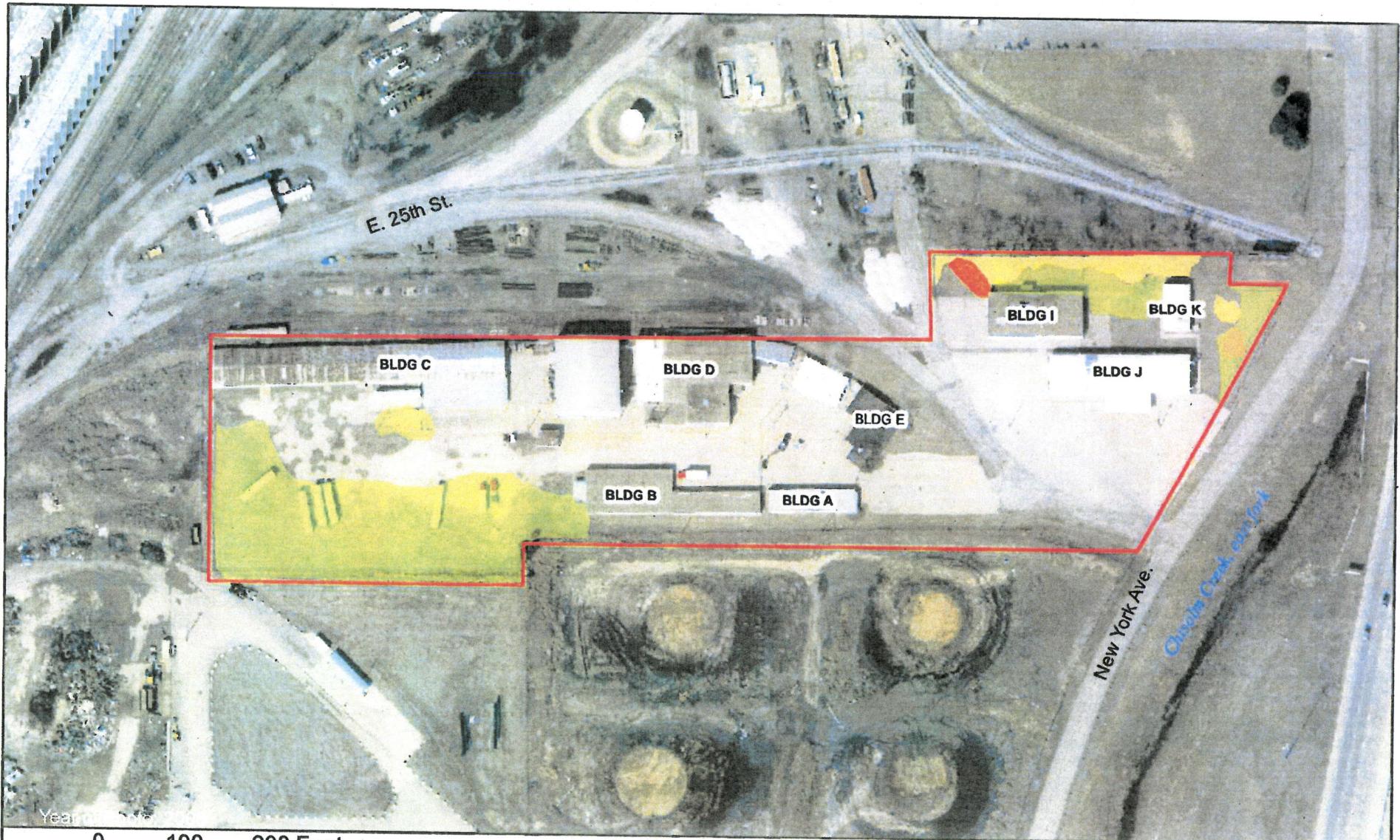


Map Prepared By: KDHE

**FIGURE 2**  
**Site Map**

**Safety-Kleen (Wichita) Site**  
**Wichita, Kansas**

Project Manager: KW Map Drawn By: KW/JC



Map Prepared By: KDHE

- |  |                  |
|--|------------------|
|  | Site Boundary    |
|  | 30 - 35 uRhr     |
|  | 25-30 uRhr       |
|  | 20 uRhr or below |
|  | 20-25 uRhr       |
- uRhr- microroentgens per hour

**FIGURE 3**

Radium Survey Result Map  
Safety-Kleen (Wichita) Site  
Wichita, Kansas

Project Manager: KW Map Drawn By: KW/JC

## **10.2 Historical Aerial Photography**



0 250 500 Feet



Site Boundary

Map Prepared By: KDHE

**FIGURE 4**  
1938 Site Map  
Safety-Kleen (Wichita) Site  
Wichita, Kansas



0 250

500 Feet

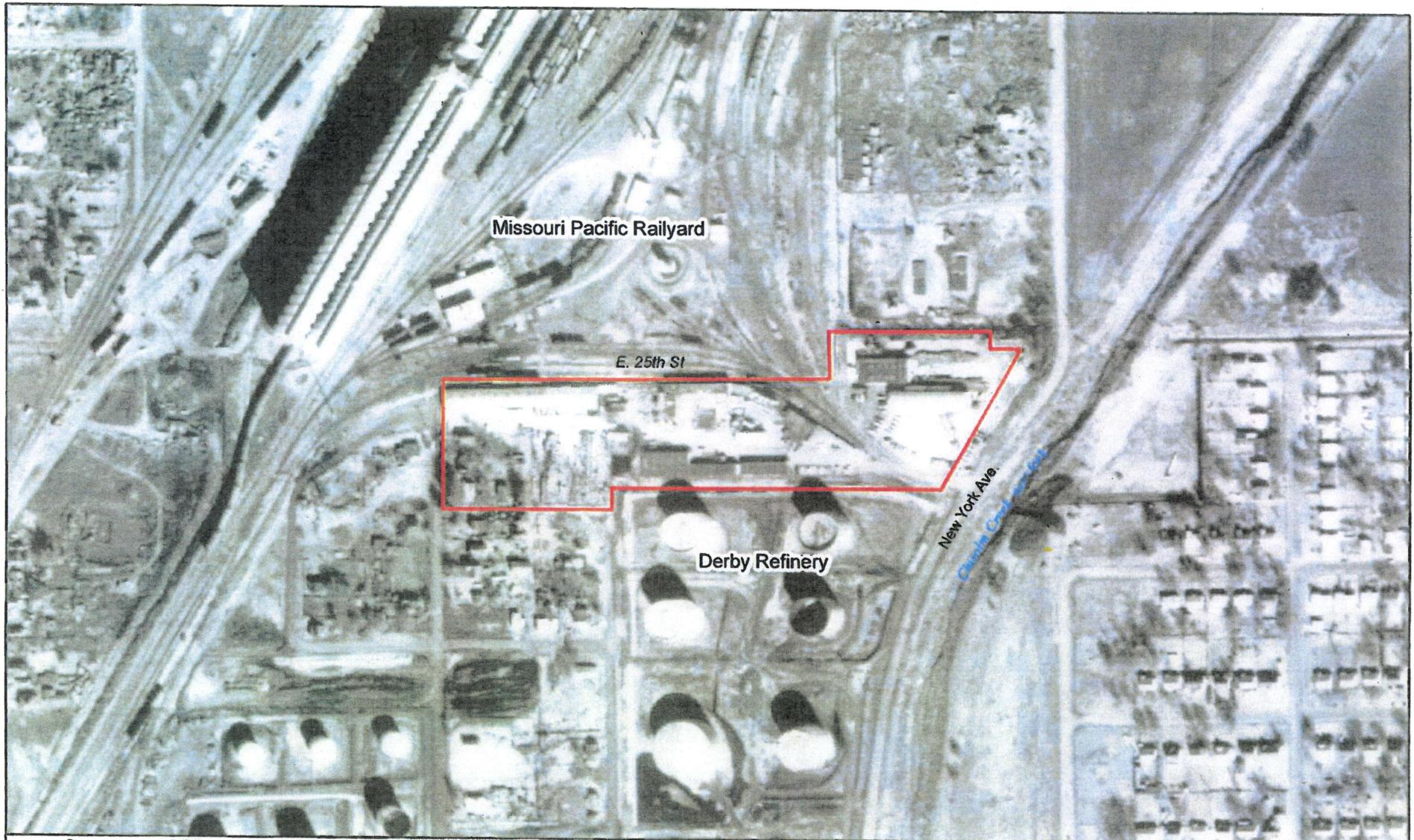


 Site Boundary

Map Prepared By: KDHE

FIGURE 5

1950 Site Map  
Safety-Kleen (Wichita) Site  
Wichita, Kansas



0 250 500 Feet

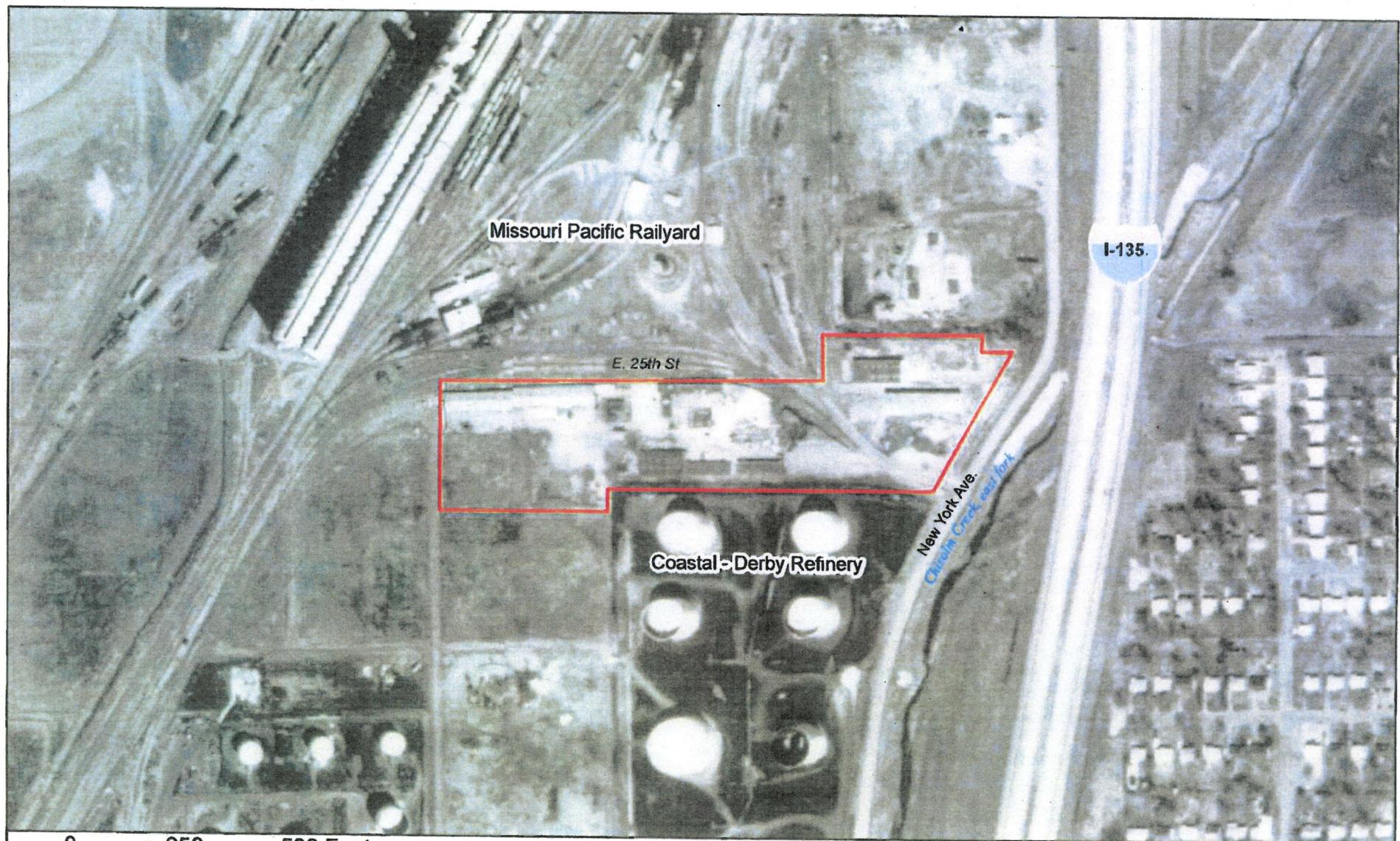


Site Boundary

Map Prepared By: KDHE

FIGURE 6

1968 Site Map  
Safety-Kleen (Wichita) Site  
Wichita, Kansas

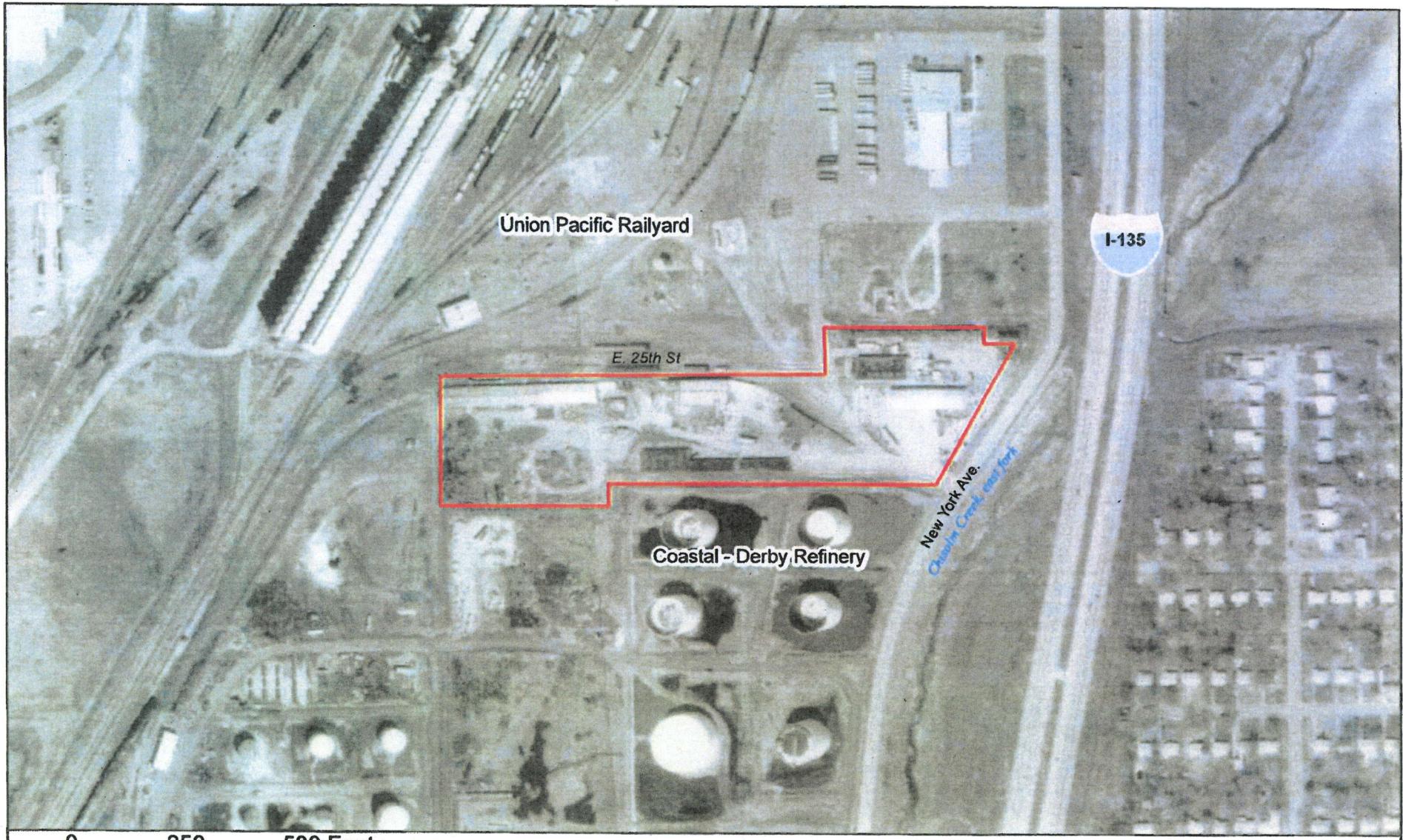


Site Boundary



Map Prepared By: KDHE

**FIGURE 7**  
1974 Site Map  
Safety-Kleen (Wichita) Site  
Wichita, Kansas



0 250 500 Feet



 Site Boundary

Map Prepared By: KDHE

FIGURE 8

1983 Site Map  
Safety-Kleen (Wichita) Site  
Wichita, Kansas



0 250

500 Feet

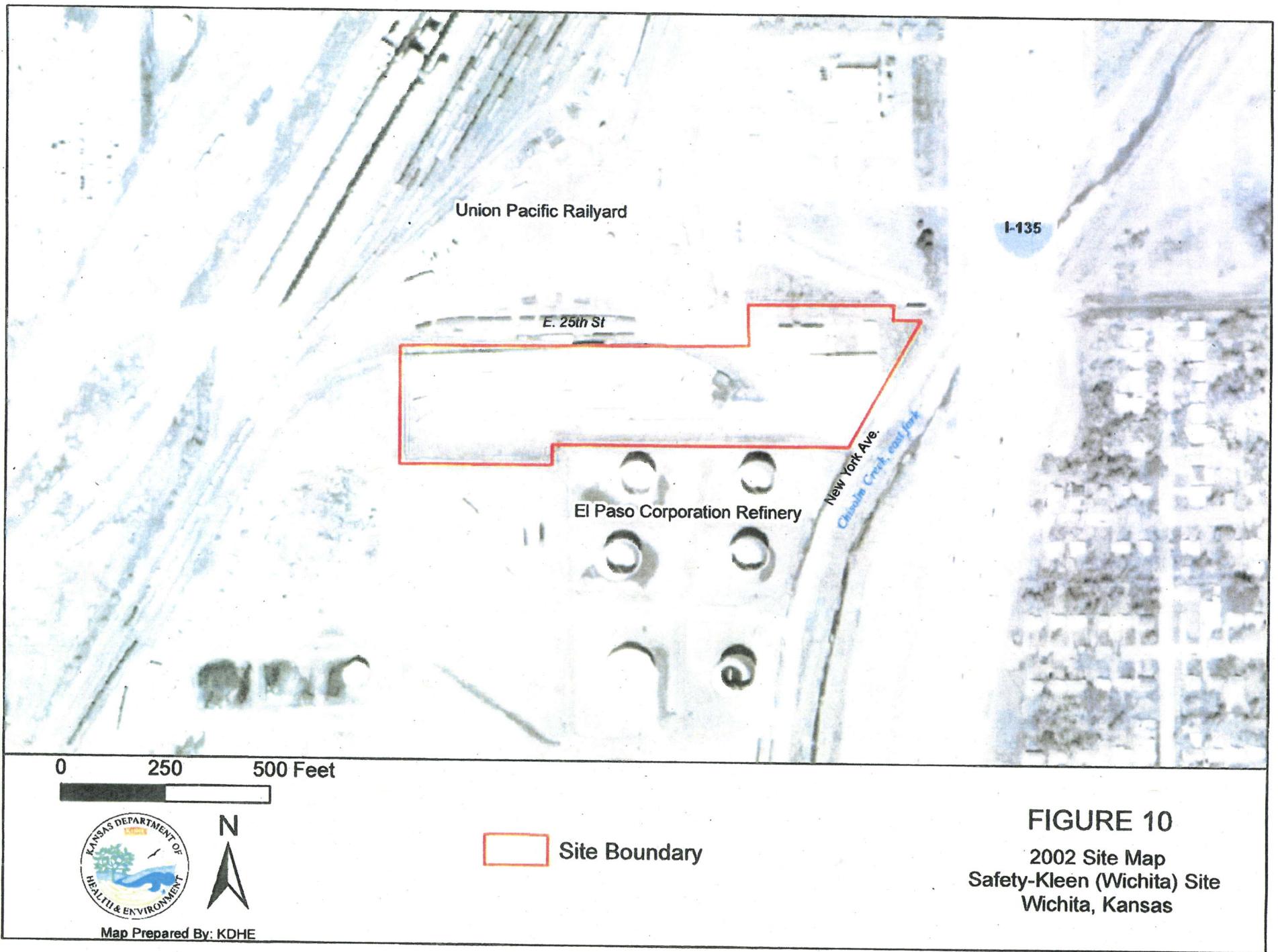


Map Prepared By: KDHE

 Site Boundary

**FIGURE 9**

1992 Site Map  
Safety-Kleen (Wichita) Site  
Wichita, Kansas



**FIGURE 10**  
2002 Site Map  
Safety-Kleen (Wichita) Site  
Wichita, Kansas

### **10.3 Property Parcel Map**

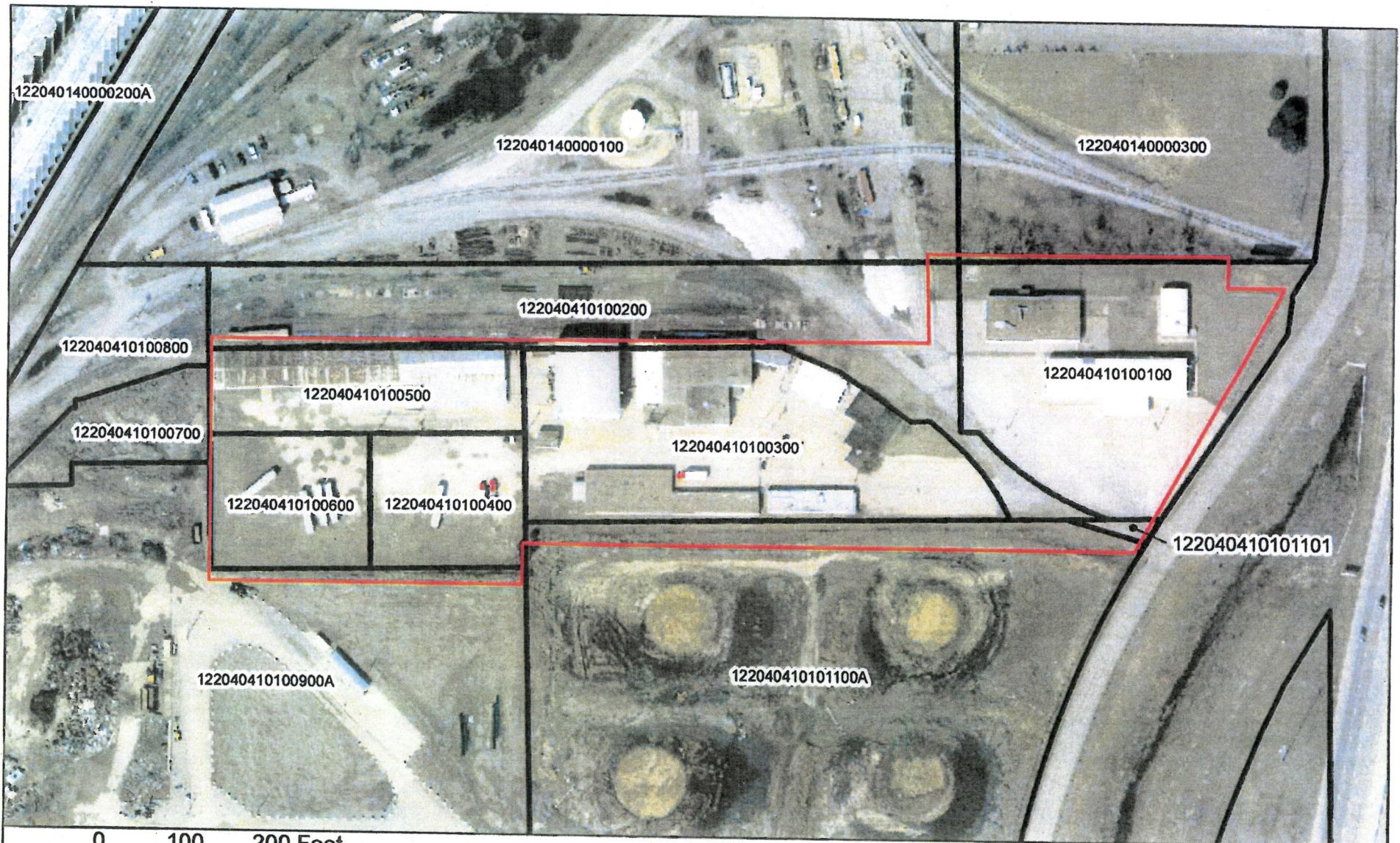


FIGURE 11

Property Parcel Map  
Safety-Kleen (Wichita) Site  
Wichita, Kansas



Map Prepared By: KDHE

## **10.4 Environmental Data Resources Report**

**Clean Harbors**  
2549 N. New York  
Wichita, KS 67219

Inquiry Number: 2712131.10s  
March 03, 2010

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<b>GEOCHECK ADDENDUM</b>	
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Thank you for your business.  
Please contact EDR at 1-800-362-0050  
with any questions or comments.

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TC2712131.10s Page 1



Environmental Data Resources, Inc.  
2549 N. New York St.  
WICHITA, KS 67219  
(800) 362-0050

TCPNA-APP-KT0

## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

2549 N. NEW YORK  
WICHITA, KS 67219

#### COORDINATES

Latitude (North): 37° 7' 20" N  
Longitude (West): 97° 32' 00" W  
Universal Transverse Mercator: Zone 14  
UTM X (Meters): 648049.1  
UTM Y (Meters): 4178804.5  
Elevation: 1314 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 37097-F3 WICHITA EAST, KS  
Most Recent Revision: 1982

#### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2005, 2006  
Source: USDA

#### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
2549 N. NEW YORK 2549 N. NEW YORK WICHITA, KS 67219	SPILLS	N/A
2549 N. NEW YORK 2549 N. NEW YORK WICHITA, KS 67219	SPILLS	N/A
2549 N. NEW YORK ST 2549 N. NEW YORK ST WICHITA, KS 67219	ERNS	N/A
2549 N. NEW YORK ST 2549 N. NEW YORK ST WICHITA, KS 67219	ERNS	N/A

## EXECUTIVE SUMMARY

REID SUPPLY CO 2549 NEW YORK ST WICHITA, KS 67219	Ind. Haz Waste	N/A
2549 NORTH NEW YORK 2549 NORTH NEW YORK WICHITA, KS 67219	ERNS	N/A
2549 N NEW YORK ST 2549 N NEW YORK ST WICHITA, KS 67219	SPILLS	N/A
2549 N NEW YORK ST 2549 N NEW YORK ST WICHITA, KS 67219	ERNS	N/A
2549 N NEW YORK 2549 N NEW YORK WICHITA, KS	HMIRS	N/A
2549 NORTH NEW YORK 2549 NORTH NEW YORK WICHITA, KS 67219	ERNS	N/A
2549 NEW YORK 67219 2549 NEW YORK 67219 WICHITA, KS	HMIRS	N/A
2549 N NEW YORK 2549 N NEW YORK WICHITA, KS	HMIRS	N/A
2549 NORTH NEW YORK ST 2549 NORTH NEW YORK ST WICHITA, KS 67219	ERNS	N/A
HYDROCARBON RECYCLERS INC 2549 NEW YORK STREET WICHITA, KS 67219	FINDS	N/A
2549 N NEW YORK ST 2549 N NEW YORK ST WICHITA, KS	ERNS	N/A

## EXECUTIVE SUMMARY

CLEAN HARBORS KANSAS LLC 2549 N NEW YORK WICHITA, KS 67219	RCRA-TSDF CERC-NFRAP CONTRACTS RCRA-LQS MANIFEST	KSD007246848
HYDROCARBON RECYCLERS INC 2549 N NEW YORK WICHITA, KS 67219	FTTS HIST FTTS	N/A
2549 N NEW YORK 2549 N NEW YORK WICHITA, KS 67219	SHWS Facility Status: Active Facility Status: Active *Additional key fields are available in the Map Findings section	N/A
2549 NORTH NEW YORK 2549 NORTH NEW YORK WICHITA, KS 67219	SPILLS	N/A
2549 N NEW YORK ST 2549 N NEW YORK ST WICHITA, KS	ERNS	N/A

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list	
NPL.....	National Priority List
Proposed NPL.....	Proposed National Priority List Sites
NPL LIENS.....	Federal Superfund Liens
Federal CERCLIS list	
CERCLIS.....	Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY.....	Federal Facility Site Information Listing
Federal RCRA generators list	
RCRA/CESQG.....	RCRA - Conditionally Exempt Small Quantity Generator

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## EXECUTIVE SUMMARY

LUCIS..... Land Use Control Information System

### Other Ascertainable Records

DOT OPS.....	Incident and Accident Data
DDD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
UMTRA.....	Uranium Mill Tailings Sites
MTR.....	Miner's Health Safety and Welfare
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	PCB Management Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
UIC.....	Underground Injection Wells Database Listing
DYCLEANERS.....	Registered Drycleaning Facilities
TIER 2.....	Tier 2 Information Listing
INDIAN RESERVATION.....	Indian Reservation Database
SOO DRYCLEANERS.....	Soil Contamination for Remediation of Drycleaners Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH.....	Coal Ash Disposal Site Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE.....	Steam-Electric Plant Operation Data

### EDR PROPRIETARY RECORDS

#### EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in bold italics are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### Federal Delisted NPL sites list

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## EXECUTIVE SUMMARY

Federal institutional controls / engineering controls registries  
US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls

State and tribal landfill and/or solid waste disposal site lists  
SWFAL..... Directory of Sanitary Landfills, Solid Waste Transfer Stations and Collector In Kansas

State and tribal leaking storage tank lists  
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists  
INDIAN UST..... Underground Storage Tanks on Indian Land  
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries  
INST CONTROL..... Institutional Controls Information

State and tribal voluntary cleanup sites  
INDIAN VCP..... Voluntary Cleanup Priority Listing  
VCP..... Identified Sites List

State and tribal Brownfields sites  
BROWNFIELDS..... Identified Sites List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield sites  
US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites  
ODL..... Open Dump Inventory  
DEBRIS REGION 9..... Tornes Martinez Reservation: Illegal Dump Site Locations  
INDIAN ODL..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites  
US COL..... Clandestine Drug Labs  
CDL..... Clandestine Laboratory Data  
US HIST COL..... National Clandestine Laboratory Register

Local Land Records  
LIENS 2..... CERCLA Lien Information

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## EXECUTIVE SUMMARY

Deleted NPL: The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

A review of the Deleted NPL list, as provided by EDR, and dated 12/01/2009 has revealed that there are 2 Deleted NPL sites within approximately 1 mile of the target property.

Equal/Higer Elevation	Address	Direction / Distance	Map ID	Page
JOHNS' SLUDGE POND	29TH ST NE OF HYDRAULIC	NNE 1/2 - 1 (0.83 mi)	38	192
29TH & MEAD GROUND WATER CONTA	412 E 29TH N 26S 1E SW	NW 1/2 - 1 (0.85 mi)	63	269

### Federal CERCLIS/NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived sites are not included in the list of EPA's active sites. These sites are not considered deleted and the EPA has determined no further steps will be taken to list this site on the National Priority List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 08/23/2009 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EL PASO MERCHANT ENERGY WRIGHT	1160 E 21ST STREET N #	SSW 1/4 - 1/2 (0.48 mi)	38	162

### Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which non-hazardous waste handlers have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/11/2009 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VWR (VAN WALTERS & ROGERS)	2641 N MOSELEY ST	SSW 1/2 - 1 (0.774 mi)	47	258

### Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 01/13/2010 has revealed that there is 1

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## EXECUTIVE SUMMARY

RCRA-SOG sites within approximately 0.25 miles of the target property.

Equal/Higer Elevation	Address	Direction / Distance	Map ID	Page
UNION PACIFIC RR WICHITA	2645 N NEW YORK	NE 1/8 - 1/4 (0.190 mi.)	C51	151

### State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent or Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Health & Environment's Site Summary of Environmental Remediation Sites in Kansas.

A review of the SHWS list, as provided by EDR, and dated 02/02/2010 has revealed that there are 20 SHWS sites within approximately 1 mile of the target property.

Equal/Higer Elevation	Address	Direction / Distance	Map ID	Page
UNION PACIFIC RR - WICHITA	2625 N NEW YORK AVENUE	ENE 1/8 - 1/4 (0.175 mi.)	C38	158
FACILITY STATUS: Transferred out of the bureau				
FARMLAND ELEVATOR - WICHITA (N)		NNW 1/8 - 1/4 (0.182 mi.)	27	139
Facility Status: Active				
Facility Status: Active				
*Additional key fields are available in the Map Findings section				
DOWNSIDEKING	2808 N OHIO	NNW 1/4 - 1/2 (0.380 mi.)	34	158
Facility Status: Resolved				
Facility Status: Resolved				
*Additional key fields are available in the Map Findings section				
VIM TRAILER	2811 N. OHIO STREET	NW 1/4 - 1/2 (0.398 mi.)	35	161
Facility Status: Active				
28TH & GROVE, WICHITA	2819 ST NW, BETWEEN I-13	NNE 1/2 - 1 (0.580 mi.)	41	273
Facility Status: Active				
Facility Status: Active				
*Additional key fields are available in the Map Findings section				
JOHNS SLUDGE POND	28TH / HYDRAULIC STRE	N 1/2 - 1 (0.595 mi.)	42	243
Facility Status: Resolved with restrictions				
Facility Status: Resolved with restrictions				
*Additional key fields are available in the Map Findings section				
21ST STREET CORRIDOR BTA - #2	BETWEEN 21ST / 25TH /	ESE 1/2 - 1 (0.814 mi.)	43	249
Facility Status: Active				
25TH & MEAD, WICHITA (SEE INC	25TH / MEAD STREETS	NW 1/2 - 1 (0.721 mi.)	46	256
Facility Status: Active				
BARNSDALL REFINERY	25TH ST NORTH / EMPOR	NNW 1/2 - 1 (0.789 mi.)	48	281
Facility Status: Active				
Facility Status: Active				
*Additional key fields are available in the Map Findings section				
21ST STREET CORRIDOR BTA - #4	ALONG 21ST ST BETWEEN P SE 1/2 - 1 (0.882 mi.)	50	288	
Facility Status: Active				
ABC CLEANERS (FMR)	2620 E 21ST	ESE 1/2 - 1 (0.883 mi.)	51	289
Facility Status: Active				
Facility Status: Active				
*Additional key fields are available in the Map Findings section				

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## EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNION PACIFIC RR-WICHITA	2645 NEW YORK AVE	E 1/8 - 1/4 (0.132 mi.)	E28	135
Facility Status: Active				
Facility Status: Closed				

### LAST: The Leaking Aboveground Storage Tanks database

A review of the LAST list, as provided by EDR, and dated 02/01/2010 has revealed that there is 1 LAST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WICHITA FUELING FAC, (UPRR)	2645 NEW YORK AVENUE	E 1/8 - 1/4 (0.135 mi.)	E24	134

### State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health & Environment's UST (Report) Listing including Names.

A review of the UST list, as provided by EDR, and dated 02/01/2010 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higer Elevation	Address	Direction / Distance	Map ID	Page
UPS FREIGHT-WICHITA	2645 N NEW YORK	NE 1/8 - 1/4 (0.190 mi.)	C30	150
Lower Elevation				
UPRR, WICHITA FUELING FACILITY	2645 NEW YORK AVENUE	E 1/8 - 1/4 (0.134 mi.)	E23	127

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Health & Environment's AST (Report) Listing including Names.

A review of the AST list, as provided by EDR, and dated 02/01/2010 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
UPRR, WICHITA FUELING FACILITY	2645 NEW YORK AVENUE	E 1/8 - 1/4 (0.134 mi.)	E23	127

## EXECUTIVE SUMMARY

Equal/Higer Elevation	Address	Direction / Distance	Map ID	Page
Not reported	3105 N MEAD	NW 1/2 - 1 (0.829 mi.)	S2	294
Facility Status: Active				
COASTAL BONEYARD SITE	402 E. 29TH STREET NORTH	NW 1/2 - 1 (0.896 mi.)	S4	308

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1100 E 21ST	SSW 1/2 - 1 (0.829 mi.)	S7	177
Facility Status: Active				
*Additional key fields are available in the Map Findings section				
NORTH INDUSTRIAL CORRIDOR (INC)				
Facility Status: Active				
*Additional key fields are available in the Map Findings section				
NOVICK IRON AND METAL	1007 E 21ST STREET	SW 1/2 - 1 (0.874 mi.)	D40	209
Facility Status: Active				
*Additional key fields are available in the Map Findings section				
JOHN'S REFINERY	913 E 21ST STREET	SW 1/2 - 1 (0.871 mi.)	44	250
Facility Status: Active				
RYAN'S CLEANERS - E. 21ST	2129 E. 21ST	SE 1/2 - 1 (0.853 mi.)	46	251
Facility Status: Active				
*Additional key fields are available in the Map Findings section				
WMR (VAN WALTERS & ROGERS)	2641 N MOBLEY ST	SSW 1/2 - 1 (0.874 mi.)	47	258
Facility Status: Active				
*Additional key fields are available in the Map Findings section				
HONEYDO PAINT	2501 N BROADWAY	W 1/2 - 1 (0.874 mi.)	48	254
Facility Status: Resolved				
Facility Status: Resolved				
*Additional key fields are available in the Map Findings section				

### State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Kansas Department of Environmental Protection's LUST Incident Report.

A review of the LUST list, as provided by EDR, and dated 02/01/2010 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Equal/Higer Elevation	Address	Direction / Distance	Map ID	Page
WICHITA SERVICE CENTER	1921 EAST 29TH STREET N	WW 1/4 - 1/2 (0.359 mi.)	S3	154

## EXECUTIVE SUMMARY

### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Lists of Hazardous waste / Contaminated Sites

#### AOCONCERN: Kansas ADC Areas Of Concern

A review of the AOCONCERN list, as provided by EDR, has revealed that there is 1 AOCONCERN site within approximately 1 mile of the target property.

Equal/Higer Elevation	Address	Direction / Distance	Map ID	Page
NORTH INDUSTRIAL CORRIDOR		E 0 - 1/8 (0.000 mi.)	0	123

### Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 01/31/2010 has revealed that there are 3 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Equal/Higer Elevation	Address	Direction / Distance	Map ID	Page
OVERNITE TRANSP.	2645 N NEW YORK (S)	NE 1/8 - 1/4 (0.190 mi.)	C28	148
UPS FREIGHT	2645 NEW YORK	NE 1/8 - 1/4 (0.190 mi.)	C29	149

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSERVATION SVCS INC	2626 NEW YORK	E 0 - 1/8 (0.110 mi.)	S2	134

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 06/03/2009 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higer Elevation	Address	Direction / Distance	Map ID	Page
29TH & MEAD GROUND WATER CONTA	412 E 29TH N 263 SE SW	NW 1/2 - 1 (0.847 mi.)	S3	299

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 12/01/2009 has revealed that there are 2 ROD sites within approximately 1 mile of the target property.

Equal/Higer Elevation	Address	Direction / Distance	Map ID	Page
JOHNS' SLUDGE POND	29TH ST NE OF HYDRAULIC	NNE 1/2 - 1 (0.553 mi.)	38	182

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TC2712151.10a EXECUTIVE SUMMARY 10

**EXECUTIVE SUMMARY**

Equal/Higer Elevation	Address	Direction / Distance	Map ID	Page
29TH & MEAD GROUND WATER CONTA.	412 E 29TH N 28S 1E SW	NW 1/4 - 1 (0.857 mi.)	53	209

**EXECUTIVE SUMMARY**

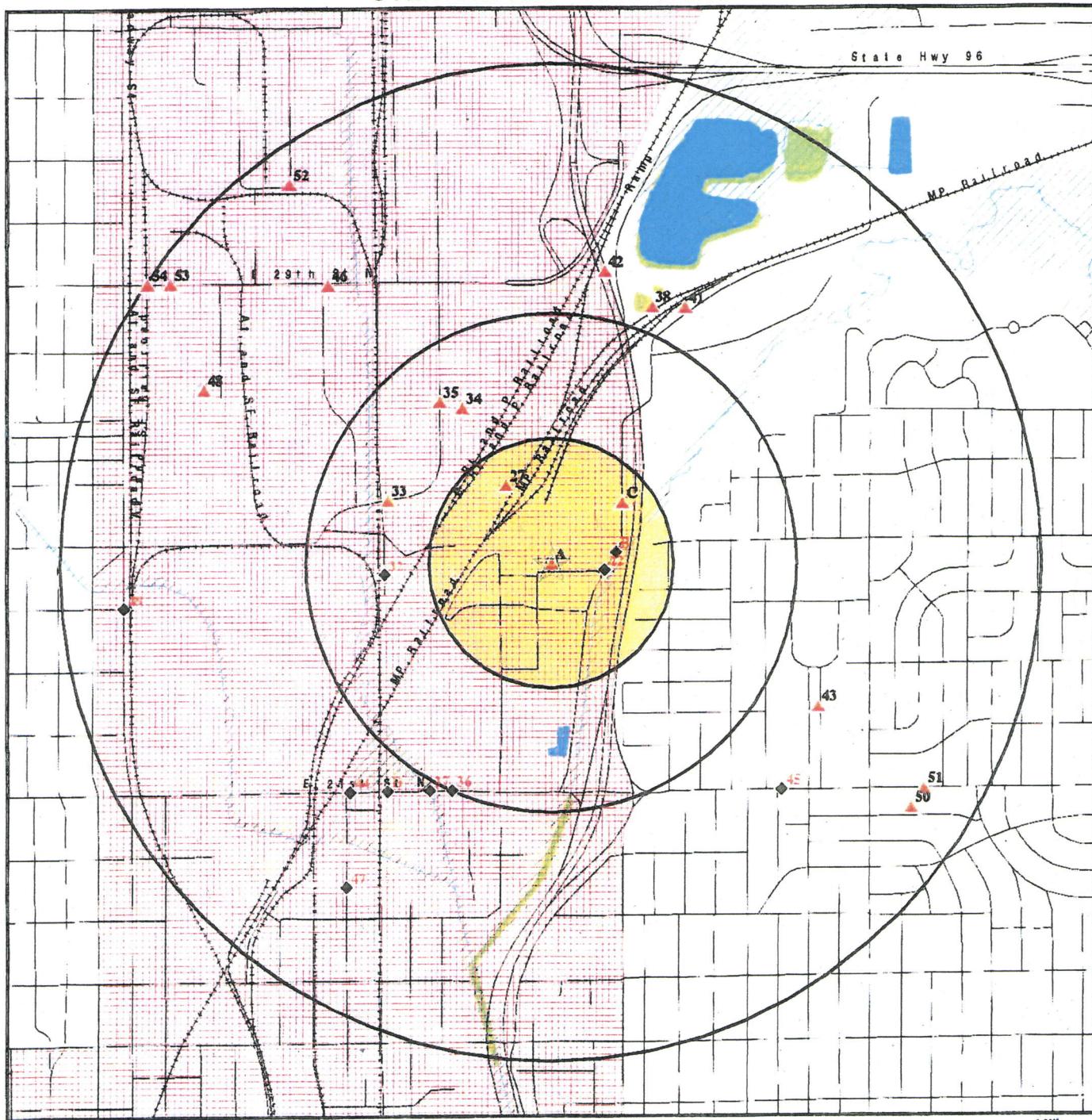
Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
UNIVERSAL LUBRICANTS, INC.	LF, SPILLS
MCCONNELL AFB SWMU 106 HARDFILL AR	HWS
MCCONNELL AFB SWMU 122 OIL-WATER S	HWS
MCCONNELL AFB SWMU 145 OIL-WATER S	HWS
MCCONNELL AFB SWMU 150 OIL-WATER S	HWS
MCCONNELL AFB SWMU 202 OIL-WATER S	HWS
MCCONNELL AFB SWMU 204 OIL-WATER S	HWS
MCCONNELL AFB SWMU 140 OIL-WATER S	HWS
MCCONNELL AFB SWMU 130 OIL-WATER S	HWS
MCCONNELL AFB SWMU 190 MUD PITS	HWS
RESOURCE RECOVERY MANAGEMENT, LLC.	LF
WASTE CONNECTIONS, L.C. OF KANSAS STA	LF
WASTE CONNECTIONS, INC. OF KANSAS	LUST
21ST & MAPLEWOOD CONTAMINATION, WI	LUST
UPRR CLINE YARD	LUST
WASTE CONNECTIONS OF KANSAS, INC.	LUST
HOME OIL CO	LUST
DOWESSEX	LUST
UPS GROUND FREIGHT	RCRA-SOC
DOONAN TRUCK OF WICHITA	RCRA-CESQG

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## OVERVIEW MAP - 2712131.10s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

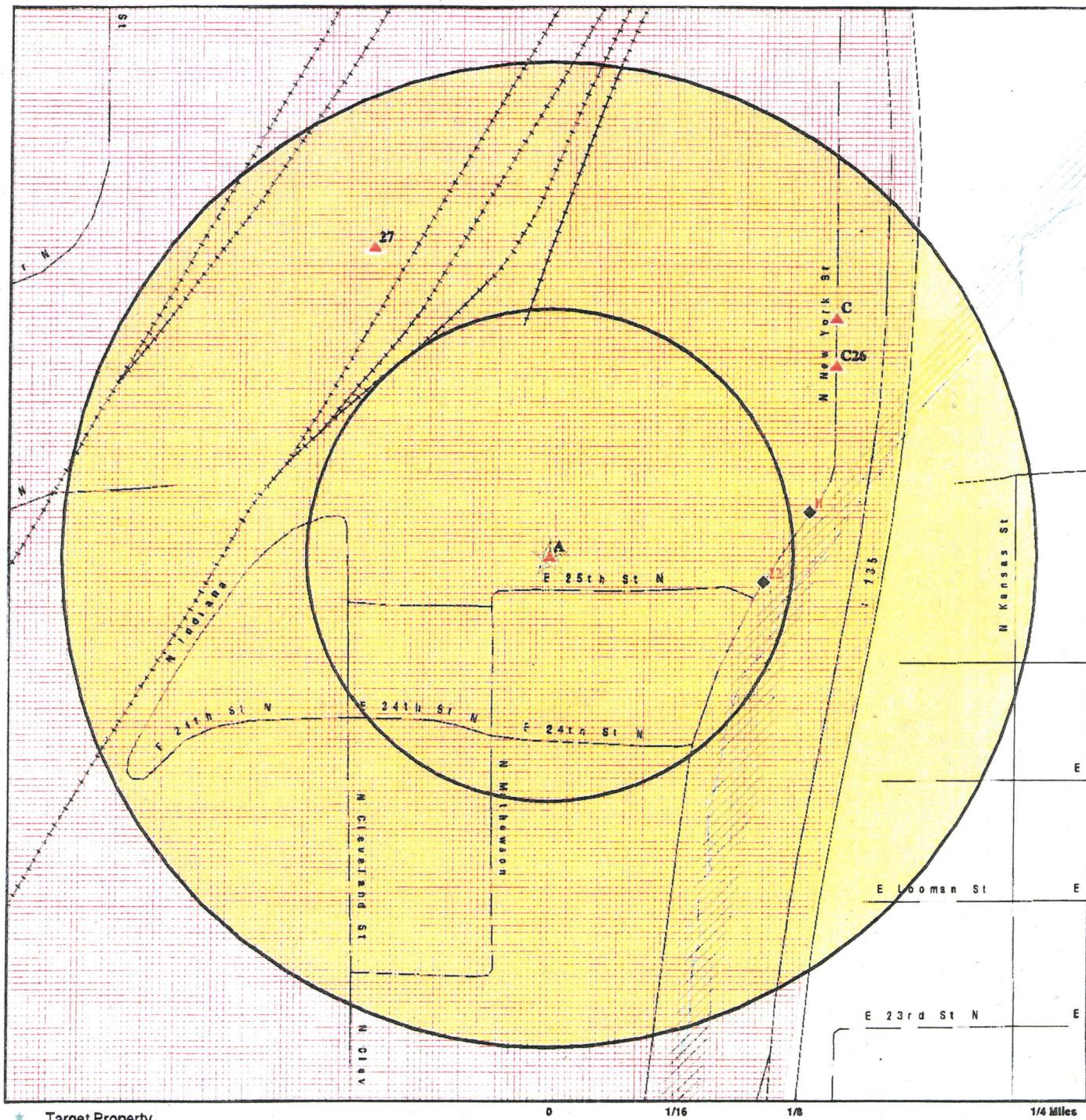


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Clean Harbors  
 ADDRESS: 2549 N. New York  
 Wichita KS 67219  
 LAT/LONG: 37.7293 / 97.3200

CLIENT: Geotechnical Services, Inc.  
 CONTACT: Gregg Armstrong  
 INQUIRY #: 2712131.10s  
 DATE: March 03, 2010 1:59 pm

## DETAIL MAP - 2712131.10s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

- |                          |                     |
|--------------------------|---------------------|
| <input type="checkbox"/> | 100-year flood zone |
| <input type="checkbox"/> | 500-year flood zone |

Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Clean Harbors  
 ADDRESS: 2549 N. New York  
 Wichita KS 67219  
 LAT/LONG: 37.7293 / 97.3200

CLIENT: Geotechnical Services, Inc.  
 CONTACT: Gregg Armstrong  
 INQUIRY #: 2712131.10s  
 DATE: March 03, 2010 1:59 pm



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

### STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL Site List

##### NPL: National Priority List

National Priority List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/01/2009  
Data Date Arrived at EDR: 01/14/2010  
Data Made Active in Reports: 02/18/2010  
Number of Days to Update: 35  
Data Release Frequency: Quarterly

#### NPL Site Boundaries

##### Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1 Telephone: 214-655-0659  
EPA Region 3 Telephone: 215-614-5418  
EPA Region 4 Telephone: 404-562-8033  
EPA Region 5 Telephone: 312-885-0396  
EPA Region 10 Telephone: 208-533-8899

EPA Region 6 Telephone: 917-318-1143  
EPA Region 7 Telephone: 914-551-7247  
EPA Region 8 Telephone: 303-512-6774  
EPA Region 9 Telephone: 415-947-4248

#### Proposed NPL: Proposed National Priority List Sites

A site will be proposed for listing on the National Priority List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/01/2009  
Data Date Arrived at EDR: 01/14/2010  
Data Made Active in Reports: 02/18/2010  
Number of Days to Update: 35  
Data Release Frequency: Quarterly

#### NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remediated action expenditures or when the property owner received notice of potential liability. USEPA completed a listing of liens.

Date of Government Version: 10/13/1991  
Data Date Arrived at EDR: 03/02/1994  
Data Made Active in Reports: 03/02/1994  
Number of Days to Update: 55  
Data Release Frequency: No Update Planned

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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

#### Federal Deleted NPL site list

##### DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/01/2009  
Data Date Arrived at EDR: 01/14/2010  
Data Made Active in Reports: 02/18/2010  
Number of Days to Update: 35  
Next Scheduled EDR Contact: 04/26/2010  
Data Release Frequency: Quarterly

#### Federal CERCLIS Site

##### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/02/2009  
Data Date Arrived at EDR: 08/11/2009  
Data Made Active in Reports: 09/21/2009  
Number of Days to Update: 41  
Source: EPA  
Telephone: 703-412-8810  
Last EDR Contact: 02/06/2010  
Next Scheduled EDR Contact: 04/12/2010  
Data Release Frequency: Quarterly

#### FEDERAL FACILITY: Federal Facility Site Information listing

A listing of NPL and Base Realignment & Closure sites found in the CERCLIS database where FERRD is involved in cleanup projects.

Date of Government Version: 06/02/2009  
Data Date Arrived at EDR: 01/15/2010  
Data Made Active in Reports: 02/10/2010  
Number of Days to Update: 28  
Source: Environmental Protection Agency  
Telephone: 703-303-8704  
Last EDR Contact: 01/15/2010  
Next Scheduled EDR Contact: 04/26/2010  
Data Release Frequency: Varied

#### Federal CERCLIS MPRAP site List

##### CERCLIS-NFRAPI: CERCLIS No Further Remedial Action Planned

Archived sites are listed that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further action is needed to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate. This decision may require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/02/2009  
Data Date Arrived at EDR: 08/02/2009  
Data Made Active in Reports: 08/02/2009  
Number of Days to Update: 19  
Source: EPA  
Telephone: 703-412-8810  
Last EDR Contact: 02/23/2010  
Next Scheduled EDR Contact: 06/14/2010  
Data Release Frequency: Quarterly

#### Federal RCRA CONTRACTS facilities List

##### RCRCA: Corrective Action Report

RCRCA identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/01/2009  
Data Date Arrived at EDR: 02/09/2009  
Data Made Active in Reports: 02/10/2010  
Number of Days to Update: 43  
Source: EPA  
Telephone: 800-421-0545  
Last EDR Contact: 02/15/2010  
Next Scheduled EDR Contact: 05/21/2010  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

#### Federal RCRA non-CRCA TSDF facilities List

##### RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Solid Waste Amendments (HSSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of acutely hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 01/13/2010  
Data Date Arrived at EDR: 01/15/2010  
Data Made Active in Reports: 02/18/2010  
Number of Days to Update: 34  
Source: Environmental Protection Agency  
Telephone: 913-551-7003  
Last EDR Contact: 02/19/2010  
Next Scheduled EDR Contact: 04/19/2010  
Data Release Frequency: Quarterly

#### Federal RCRA generators List

##### RCRA-LQG: RCRA Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Solid Waste Amendments (HSSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kg of acutely hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 01/13/2010  
Data Date Arrived at EDR: 01/15/2010  
Data Made Active in Reports: 02/18/2010  
Number of Days to Update: 34  
Source: Environmental Protection Agency  
Telephone: 913-551-7003  
Last EDR Contact: 02/19/2010  
Next Scheduled EDR Contact: 04/19/2010  
Data Release Frequency: Quarterly

#### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Solid Waste Amendments (HSSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESGs) generate less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 01/13/2010  
Data Date Arrived at EDR: 01/15/2010  
Data Made Active in Reports: 02/18/2010  
Number of Days to Update: 34  
Source: Environmental Protection Agency  
Telephone: 913-551-7003  
Last EDR Contact: 02/19/2010  
Next Scheduled EDR Contact: 04/19/2010  
Data Release Frequency: Quarterly

#### Federal institutional controls / engineering controls registries

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

#### US ENG CONTROLS: Engineering Controls Site List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/01/2009  
Data Date Arrived at EDR: 10/09/2009  
Data Made Active in Reports: 11/08/2009  
Number of Days to Update: 31  
Source: Environmental Protection Agency  
Telephone: 703-600-0955  
Last EDR Contact: 12/10/2009  
Next Scheduled EDR Contact: 02/15/2010  
Data Release Frequency: Varies

#### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally part of the institutional controls.

Date of Government Version: 10/01/2009  
Data Date Arrived at EDR: 10/09/2009  
Data Made Active in Reports: 11/08/2009  
Number of Days to Update: 31  
Source: Environmental Protection Agency  
Telephone: 703-600-0955  
Last EDR Contact: 12/10/2009  
Next Scheduled EDR Contact: 03/02/2010  
Data Release Frequency: Varies

#### Federal ERNS List

ERNS: Emergency Response Notification System  
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/01/2009  
Data Date Arrived at EDR: 01/22/2010  
Data Made Active in Reports: 02/11/2010  
Number of Days to Update: 20  
Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 01/15/2010  
Next Scheduled EDR Contact: 04/19/2010  
Data Release Frequency: Annually

#### State & tribal equivalent: CERCLIS

SWHS: Identical State Use  
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: C2/22/2010  
Data Date Arrived at EDR: 02/02/2010  
Data Made Active in Reports: 02/18/2010  
Number of Days to Update: 18  
Source: Department of Health and Environment  
Telephone: 785-296-1680  
Last EDR Contact: 01/16/2010  
Next Scheduled EDR Contact: 05/03/2010  
Data Release Frequency: Semi-Annually

#### State and tribal landfill and/or solid waste disposal site lists

SWFLW: Directory of Sanitary Landfills, Solid Waste Transfer Stations and Collector in Kansas  
Solid Waste Facilities, and Sites. SWFLW type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/28/2010  
Data Date Arrived at EDR: 01/27/2010  
Data Made Active in Reports: C2/18/2010  
Number of Days to Update: 22  
Source: Department of Health and Environment  
Telephone: 785-296-1560  
Last EDR Contact: 01/25/2010  
Next Scheduled EDR Contact: 05/10/2010  
Data Release Frequency: Annually

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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### State and tribal Leaking storage tank lists

#### LUST: Leaking Underground Storage Tank Data

The Indian Underground Storage Tank (UST) database provides an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 02/01/2010  
 Date Data Arrived at EDR: 02/02/2010  
 Date Made Active in Reports: 02/18/2010  
 Number of Days to Update: 16  
 Source: Department of Health and Environment  
 Telephone: 785-296-1665  
 Last EDR Contact: 01/11/2010  
 Next Scheduled EDR Contact: 04/28/2010  
 Data Release Frequency: Quarterly

#### LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tank site locations.

Date of Government Version: 02/01/2010  
 Date Data Arrived at EDR: 02/02/2010  
 Date Made Active in Reports: 02/18/2010  
 Number of Days to Update: 16  
 Source: Department of Health & Environment  
 Telephone: 785-296-1665  
 Last EDR Contact: 01/11/2010  
 Next Scheduled EDR Contact: 04/28/2010  
 Data Release Frequency: Quarterly

#### INDIAN LUSTR: Leaking Underground Storage Tanks on Indian Land

LUSTR on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 12/01/2009  
 Date Data Arrived at EDR: 12/01/2009  
 Date Made Active in Reports: 12/16/2009  
 Number of Days to Update: 15  
 Source: EPA Region 8  
 Telephone: 303-397-0271  
 Last EDR Contact: 02/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Quarterly

#### INDIAN LUSTR RT: Leaking Underground Storage Tanks on Indian Land

LUSTRs on Indian land in Iowa, Kansas, and Nebraska.

Date of Government Version: 03/24/2009  
 Date Data Arrived at EDR: 05/20/2009  
 Date Made Active in Reports: 06/17/2009  
 Number of Days to Update: 24  
 Source: EPA Region 7  
 Telephone: 913-561-7003  
 Last EDR Contact: 02/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Quarterly

#### INDIAN LUSTR RTB: Leaking Underground Storage Tanks on Indian Land

LUSTRs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/12/2009  
 Date Data Arrived at EDR: 11/12/2009  
 Date Made Active in Reports: 12/15/2009  
 Number of Days to Update: 34  
 Source: EPA Region 6  
 Telephone: 214-465-8997  
 Last EDR Contact: 02/07/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Varies

#### INDIAN LUSTR R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank site locations on Indian Land.

Date of Government Version: 02/19/2009  
 Date Data Arrived at EDR: 02/19/2009  
 Date Made Active in Reports: 03/16/2009  
 Number of Days to Update: 25  
 Source: EPA Region 1  
 Telephone: 617-914-3113  
 Last EDR Contact: 03/16/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Varies

#### INDIAN LUSTR R1C: Leaking Underground Storage Tanks on Indian Land

LUSTRs on Indian land in Alaska, Idaho, Oregon and Washington.

Source: EPA Region 10  
 Telephone: 509-375-3135  
 Last EDR Contact: 03/16/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### State and tribal registered storage tank lists

#### INDIAN LUSTR R2: Leaking Underground Storage Tanks on Indian Land

LUSTRs on Indian land in Arizona, California, New Mexico and Nevada.

Date of Government Version: 02/02/2010  
 Date Data Arrived at EDR: 02/03/2010  
 Date Made Active in Reports: 02/16/2010  
 Number of Days to Update: 15  
 Source: EPA Region 10  
 Telephone: 306-553-2957  
 Last EDR Contact: 02/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Quarterly

#### INDIAN LUSTR R3: Leaking Underground Storage Tanks on Indian Land

LUSTRs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/04/2009  
 Date Data Arrived at EDR: 12/05/2009  
 Date Made Active in Reports: 12/16/2009  
 Number of Days to Update: 21  
 Source: Environmental Protection Agency  
 Telephone: 415-972-3372  
 Last EDR Contact: 02/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Quarterly

#### INDIAN LUSTR R4: Leaking Underground Storage Tanks on Indian Land

LUSTRs on Indian land in Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Tennessee and Tribal Nations.

Date of Government Version: 12/07/2009  
 Date Data Arrived at EDR: 12/08/2009  
 Date Made Active in Reports: 12/16/2009  
 Number of Days to Update: 7  
 Source: EPA Region 4  
 Telephone: 404-522-8677  
 Last EDR Contact: 02/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Semi-Annually

#### INDIAN LUSTR R5: Registered Underground Storage Tanks

Regulated Underground Storage Tanks. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/01/2010  
 Date Data Arrived at EDR: 02/02/2010  
 Date Made Active in Reports: 02/04/2010  
 Number of Days to Update: 22  
 Source: Department of Health and Environment  
 Telephone: 785-296-1665  
 Last EDR Contact: 01/11/2010  
 Next Scheduled EDR Contact: 04/28/2010  
 Data Release Frequency: Quarterly

#### AST: Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 02/01/2010  
 Date Data Arrived at EDR: 02/02/2010  
 Date Made Active in Reports: 02/04/2010  
 Number of Days to Update: 22  
 Source: Department of Health and Environment  
 Telephone: 785-296-1665  
 Last EDR Contact: 01/11/2010  
 Next Scheduled EDR Contact: 04/28/2010  
 Data Release Frequency: Quarterly

#### INDIAN LUSTR R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2009  
 Date Data Arrived at EDR: 11/05/2009  
 Date Made Active in Reports: 12/02/2009  
 Number of Days to Update: 41  
 Source: EPA Region 5  
 Telephone: 312-842-1156  
 Last EDR Contact: 02/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Varies

#### INDIAN LUSTR R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/19/2009  
 Date Data Arrived at EDR: 02/19/2009  
 Date Made Active in Reports: 03/16/2009  
 Number of Days to Update: 26  
 Source: EPA Region 1  
 Telephone: 617-918-1313  
 Last EDR Contact: 03/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Varies

#### INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/02/2010  
 Date Data Arrived at EDR: 02/03/2010  
 Date Made Active in Reports: 02/18/2010  
 Number of Days to Update: 15  
 Source: EPA Region 10  
 Telephone: 208-563-2857  
 Last EDR Contact: 02/17/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Quarterly

#### INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 8 Tribal Nations).

Date of Government Version: 04/01/2008  
 Date Data Arrived at EDR: 12/23/2008  
 Date Made Active in Reports: 03/16/2009  
 Number of Days to Update: 78  
 Source: EPA Region 7  
 Telephone: 613-661-7003  
 Last EDR Contact: 02/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Varies

#### INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/01/2009  
 Date Data Arrived at EDR: 12/01/2009  
 Date Made Active in Reports: 12/16/2009  
 Number of Days to Update: 15  
 Source: EPA Region 9  
 Telephone: 415-872-3388  
 Last EDR Contact: 02/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Quarterly

#### INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arkansas, Oklahoma, New Mexico, Texas and 85 Tribes).

Date of Government Version: 02/08/2010  
 Date Data Arrived at EDR: 02/08/2010  
 Date Made Active in Reports: 02/18/2010  
 Number of Days to Update: 8  
 Source: EPA Region 6  
 Telephone: 214-665-7591  
 Last EDR Contact: 02/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Semi-Annually

#### INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 02/08/2010  
 Date Data Arrived at EDR: 02/08/2010  
 Date Made Active in Reports: 02/18/2010  
 Number of Days to Update: 8  
 Source: EPA Region 6  
 Telephone: 214-665-7591  
 Last EDR Contact: 02/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/07/2009  
 Date Data Arrived at EDR: 12/08/2009  
 Date Made Active in Reports: 12/18/2009  
 Number of Days to Update: 7  
 Source: EPA Region 4  
 Telephone: 404-522-0404  
 Last EDR Contact: 02/01/2010  
 Next Scheduled EDR Contact: 05/17/2010  
 Data Release Frequency: Semi-Annually

#### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/01/2009  
 Date Data Arrived at EDR: 10/29/2009  
 Date Made Active in Reports: 12/18/2009  
 Number of Days to Update: 48  
 Source: FEMA  
 Telephone: 202-548-5797  
 Last EDR Contact: 01/18/2010  
 Next Scheduled EDR Contact: 03/03/2010  
 Data Release Frequency: Varies

#### State and tribal institutional control / engineering control registries

##### INST CONTROL: Institutional Controls Information

Sites that have institutional control information entered into the Maintained Sites List database.

Date of Government Version: 02/02/2010  
 Date Data Arrived at EDR: 02/03/2010  
 Date Made Active in Reports: 02/18/2010  
 Number of Days to Update: 16  
 Source: Department of Health & Environment  
 Telephone: 785-296-0404  
 Last EDR Contact: 01/18/2010  
 Next Scheduled EDR Contact: 05/03/2010  
 Data Release Frequency: Quarterly

#### State and tribal voluntary cleanup sites

##### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/01/2009  
 Date Data Arrived at EDR: 04/02/2009  
 Date Made Active in Reports: 04/19/2009  
 Number of Days to Update: 27  
 Source: EPA, Region 1  
 Telephone: 617-918-1102  
 Last EDR Contact: 04/19/2010  
 Next Scheduled EDR Contact: 04/19/2010  
 Data Release Frequency: Varies

##### INDIAN VCP R2: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 02/01/2008  
 Date Data Arrived at EDR: 04/22/2008  
 Date Made Active in Reports: 05/18/2008  
 Number of Days to Update: 27  
 Source: EPA, Region 7  
 Telephone: 913-651-7365  
 Last EDR Contact: 04/22/2009  
 Next Scheduled EDR Contact: 07/20/2009  
 Data Release Frequency: Varies

#### VCP: Identified Sites List

Sites included in the Maintained Sites List that are identified as Voluntary Cleanup sites.

Date of Government Version: 02/02/2010  
 Date Data Arrived at EDR: 02/02/2010  
 Date Made Active in Reports: 02/18/2010  
 Number of Days to Update: 16  
 Source: Department of Health & Environment  
 Telephone: 785-296-0404  
 Last EDR Contact: 02/02/2010  
 Next Scheduled EDR Contact: 05/03/2010  
 Data Release Frequency: Quarterly

#### Brownfields: Identified Sites List

Sites included in the Identified Sites List that are identified as Brownfields sites.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/02/2010      Source: Department of Health & Environment  
 Date Data Arrived at EDR: 02/02/2010      Telephone: 755-398-8049  
 Date Made Active in Reports: 02/18/2010      Last EDR Contact: 01/18/2010  
 Number of Days to Update: 16      Next Scheduled EDR Contact: 05/03/2010  
 Date Release Frequency: Quarterly

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield Sites**

**US BROWNFIELDS:** A listing of Brownfields sites included in the listing are brownfields properties addressed by Cooperative Agreement Recipients and properties addressed by Targeted Brownfields Assessments (TBA) projects. Targeted Brownfields Assessments (TBA) projects are limited to federal, state, tribal, and municipalities—especially those without EPA Brownfields Assessment Demonstrations. Projects minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients—States, political subdivisions, territories, and Indian tribes—become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF funding agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients through a competitive proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/1/2008      Source: Environmental Protection Agency  
 Date Data Arrived at EDR: 11/04/2009      Telephone: 202-566-2777  
 Date Made Active in Reports: 12/16/2009      Last EDR Contact: 01/07/2010  
 Number of Days to Update: 42      Next Scheduled EDR Contact: 04/12/2010  
 Date Release Frequency: Semi-Annually

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

**ODI:** Open Dump Inventory  
 An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 08/20/1995      Source: Environmental Protection Agency  
 Date Data Arrived at EDR: 08/09/2004      Telephone: 800-24-6346  
 Date Made Active in Reports: 09/17/2004      Last EDR Contact: N/A  
 Number of Days to Update: 39      Next Scheduled EDR Contact: N/A  
 Date Release Frequency: No Update Planned

#### **DEBRIS REGION 9: Tornes Martinez Reservation Illegal Dump Site Locations**

A listing of illegal dump sites location on the Tornes Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009      Source: EPA, Region 9  
 Date Data Arrived at EDR: 05/07/2009      Telephone: 415-972-3395  
 Date Made Active in Reports: 05/21/2009      Last EDR Contact: 01/07/2010  
 Number of Days to Update: 137      Next Scheduled EDR Contact: 03/22/2010  
 Date Release Frequency: Varied

#### **INDIAN ODI: Report on the Status of Open Dumps on Indian Lands**

Location of open dumps on Indian land.

Date of Government Version: 12/18/1998      Source: Environmental Protection Agency  
 Date Data Arrived at EDR: 12/03/2007      Telephone: 703-308-8245  
 Date Made Active in Reports: 01/24/2006      Last EDR Contact: N/A  
 Number of Days to Update: 52      Next Scheduled EDR Contact: 05/34/2010  
 Date Release Frequency: Varied

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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

#### **Local Lists of Hazardous waste / Contaminated Sites**

**US CDL: Clandestine Drug Lab**  
 A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/19/2009      Source: Drug Enforcement Administration  
 Date Data Arrived at EDR: 12/29/2009      Telephone: 202-307-1000  
 Date Made Active in Reports: 02/10/2010      Last EDR Contact: 12/29/2009  
 Number of Days to Update: 43      Next Scheduled EDR Contact: 03/22/2010  
 Date Release Frequency: Quarterly

#### **ADCCONCERN: Area of Concern**

The City of Wichita has taken the lead for the investigation and remediation efforts with the Kansas Department of Health & Environment, Bureau of Remediation. The primary contaminants of concern are chlorinated solvents and their degradation products.

Date of Government Version: N/A      Source: Department of Environmental Health  
 Date Data Arrived at EDR: 04/26/2002      Telephone: 316-268-6333  
 Date Made Active in Reports: 08/28/2002      Last EDR Contact: 03/13/2007  
 Number of Days to Update: 64      Next Scheduled EDR Contact: N/A  
 Date Release Frequency: No Update Planned

#### **CDL: Clandestine Laboratory Data**

Clandestine meth lab location

Date of Government Version: 08/29/2009      Source: Department of Health and Environment  
 Date Data Arrived at EDR: 10/02/2009      Telephone: 785-368-7301  
 Date Made Active in Reports: 10/20/2009      Last EDR Contact: C3/02/2010  
 Number of Days to Update: 13      Next Scheduled EDR Contact: 05/07/2010  
 Date Release Frequency: Varies

#### **US HST CDL: National Clandestine Laboratory Register**

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/01/2007      Source: Drug Enforcement Administration  
 Date Data Arrived at EDR: 11/7/2008      Telephone: 202-307-1000  
 Date Made Active in Reports: 03/02/2009      Last EDR Contact: C3/23/2009  
 Number of Days to Update: 131      Next Scheduled EDR Contact: 05/22/2009  
 Date Release Frequency: No Update Planned

#### **Local Land Records**

**LENS 2: CERCLA Liens Information**  
 A Federal CERCLA (Superfund) lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these monies and properties.

Date of Government Version: 08/01/2009      Source: Environmental Protection Agency  
 Date Data Arrived at EDR: 08/02/2009      Telephone: 202-504-0022  
 Date Made Active in Reports: 08/18/2009      Last EDR Contact: 02/04/2010  
 Number of Days to Update: 41      Next Scheduled EDR Contact: 05/17/2010  
 Date Release Frequency: Varies

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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

#### **LUCIS: Land Use Control Information System**

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/08/2005      Source: Department of the Navy  
 Date Data Arrived at EDR: 12/11/2008      Telephone: 943-820-7326  
 Date Made Active in Reports: 01/11/2007      Last EDR Contact: 02/25/2010  
 Number of Days to Update: 31      Next Scheduled EDR Contact: 05/07/2010  
 Date Release Frequency: Varied

#### **Records of Emergency Release Reports**

##### **HMRIS: Hazardous Materials Information Reporting System**

Hazardous Materials Incident Report System. HMRIS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/21/2006      Source: U.S. Department of Transportation  
 Date Data Arrived at EDR: 01/05/2010      Telephone: 202-368-8555  
 Date Made Active in Reports: 02/19/2010      Last EDR Contact: 01/08/2010  
 Number of Days to Update: 35      Next Scheduled EDR Contact: 04/12/2010  
 Date Release Frequency: Annually

#### **SPILLS: Kansas Spill Database**

All spills reported under the regulatory authority of the Department of Health & Environment and the Kansas Corporation Commission.

Date of Government Version: 11/15/2008      Source: Department of Health and Environment  
 Date Data Arrived at EDR: 11/18/2008      Telephone: 785-286-1660  
 Date Made Active in Reports: 11/23/2008      Last EDR Contact: 10/16/2009  
 Number of Days to Update: 7      Next Scheduled EDR Contact: 02/01/2010  
 Date Release Frequency: Semi-Annually

#### **Other Ascertainable Records**

##### **RCRRA - Non-Generators**

RCRRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous wastes as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous wastes.

Date of Government Version: 01/13/2010      Source: Environmental Protection Agency  
 Date Data Arrived at EDR: 01/15/2010      Telephone: 970-451-7003  
 Date Made Active in Reports: 02/13/2010      Last EDR Contact: 02/19/2010  
 Number of Days to Update: 34      Next Scheduled EDR Contact: 04/19/2010  
 Date Release Frequency: Varied

#### **DOT OPS: Incident and Accident Data**

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/13/2008      Source: Department of Transportation, Office of Pipeline Safety  
 Date Data Arrived at EDR: 11/10/2009      Telephone: 202-368-5393  
 Date Made Active in Reports: 12/15/2009      Last EDR Contact: 02/08/2010  
 Number of Days to Update: 36      Next Scheduled EDR Contact: 05/24/2010  
 Date Release Frequency: Varied

#### **DOO: Department of Defense Sites**

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 540 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

#### **MINES: Mine Master Index File**

Contains all nine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/17/2009      Source: Department of Labor, Mine Safety and Health Administration  
 Date Data Arrived at EDR: 12/05/2009      Telephone: 303-231-9559  
 Date Made Active in Reports: 01/18/2010      Last EDR Contact: 12/06/2009  
 Number of Days to Update: 42      Next Scheduled EDR Contact: 03/22/2010  
 Date Release Frequency: Sem-Annually

**TRIS: Toxic Chemical Release Inventory System**  
 Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2008  
 Data Data Arrived at EDR: 01/02/2010  
 Date Made Active in Reports: 02/16/2010  
 Number of Days to Update: 30  
 Data Release Frequency: Annually

**TSCA: Toxic Substances Control Act**  
 Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002  
 Data Data Arrived at EDR: 04/06/2008  
 Date Made Active in Reports: 05/04/2008  
 Number of Days to Update: 46  
 Data Release Frequency: Every 4 Years

**FTTS: FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
 FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/08/2009  
 Data Data Arrived at EDR: 04/19/2009  
 Date Made Active in Reports: 05/11/2009  
 Number of Days to Update: 25  
 Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
 A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcement.

Date of Government Version: 04/08/2009  
 Data Data Arrived at EDR: 04/19/2009  
 Date Made Active in Reports: 05/11/2009  
 Number of Days to Update: 25  
 Data Release Frequency: Quarterly

**HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing**  
 A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA [Federal Insecticide, Fungicide, and Rodenticide Act] and TSCA [Toxic Substances Control Act]. Some EPA regions are now closing out records. Because of this, and the fact that some EPA regions are not providing EPA Headquarters with updated records, I was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/16/2009  
 Data Data Arrived at EDR: 03/01/2007  
 Date Made Active in Reports: 04/10/2007  
 Number of Days to Update: 40  
 Data Release Frequency: No Update Planned

**HIST FTTS INSP: FIFRA/TSCA Tracking System: Inspection & Enforcement Case Listing**  
 A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA [Federal Insecticide, Fungicide, and Rodenticide Act] and TSCA [Toxic Substances Control Act]. Some EPA regions are now closing out records. Because of this, and the fact that some EPA regions are not providing EPA Headquarters with updated records, I was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**FINDS: Facility Index System/Facility Registry System**  
 Facility Index System. FINDS contains both facility information and joins it to other sources that contain more detail. EDR includes the following FINDS databases in this report. PCIS (Permit Compliance System), AIRS (Aeronautical Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil/judicial enforcement cases for all environmental statutes), PURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), PFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/17/2009  
 Data Data Arrived at EDR: 10/09/2009  
 Date Made Active in Reports: 12/01/2009  
 Number of Days to Update: 40  
 Data Release Frequency: Quarterly

**RAATS: RCRA Administrative Action Tracking System**  
 RCRA-Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to violations of environmental laws, regulations, and court orders brought by the EPA. For administrative actions taken before September 30, 1999, the date entry was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
 Data Data Arrived at EDR: 07/03/1995  
 Date Made Active in Reports: 04/07/1995  
 Number of Days to Update: 36  
 Data Release Frequency: No Update Planned

**BRS: Biennial Reporting System**  
 The Biennial Reporting System is a national system administered by the EPA, that collects data on the generation and management of hazardous wastes. BRS receives detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007  
 Data Data Arrived at EDR: 02/15/2009  
 Date Made Active in Reports: 05/22/2009  
 Number of Days to Update: 92  
 Data Release Frequency: Biennially

**UIC: Underground Injection Well Database Listing**  
 A listing of underground injection wells.

Date of Government Version: 03/04/2010  
 Data Data Arrived at EDR: 02/04/2010  
 Date Made Active in Reports: 02/18/2010  
 Number of Days to Update: 14  
 Data Release Frequency: Varies

**DRYCLEANERS: Registered Drycleaning Facilities**  
 A listing of registered drycleaners.

Date of Government Version: 12/16/2009  
 Data Data Arrived at EDR: 02/16/2009  
 Date Made Active in Reports: 01/20/2010  
 Number of Days to Update: 35  
 Data Release Frequency: Varies

**TERA 2: Tier 2 Information Listing**  
 A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
 Data Data Arrived at EDR: 04/17/2007  
 Date Made Active in Reports: 04/19/2007  
 Number of Days to Update: 40  
 Data Release Frequency: No Update Planned

**SSTS: Section 7 Trading Systems**  
 Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 820) requires all registered pesticide-producing manufacturers to submit a report to the Environmental Protection Agency by March 1st of each year. Each manufacturer must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008  
 Data Data Arrived at EDR: 04/09/2010  
 Date Made Active in Reports: 02/10/2010  
 Number of Days to Update: 35  
 Data Release Frequency: Annually

**ICIS: Integrated Compliance Information System**  
 The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) programs.

Date of Government Version: 11/16/2008  
 Data Data Arrived at EDR: 11/16/2008  
 Date Made Active in Reports: 01/18/2010  
 Number of Days to Update: 22  
 Data Release Frequency: Quarterly

**PADS: PCB Activity Database System**  
 PCB Activity Database, PADS identifies generators, transporters, commercial stores and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 05/01/2009  
 Data Data Arrived at EDR: 10/21/2008  
 Date Made Active in Reports: 12/01/2008  
 Number of Days to Update: 41  
 Data Release Frequency: Annually

**MLTS: Material Licensing Tracking System**  
 MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 12/24/2008  
 Data Data Arrived at EDR: 12/31/2009  
 Date Made Active in Reports: 02/10/2010  
 Number of Days to Update: 41  
 Data Release Frequency: Quarterly

**RADINFO: Radiation Information Database**  
 The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/12/2010  
 Data Data Arrived at EDR: 01/12/2010  
 Date Made Active in Reports: 02/10/2010  
 Number of Days to Update: 28  
 Data Release Frequency: Quarterly

**INDIAN RESERVES: Indian Reservations**  
 This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005  
 Data Data Arrived at EDR: 12/08/2006  
 Date Made Active in Reports: 01/11/2007  
 Number of Days to Update: 34  
 Data Release Frequency: Semi-Annually

**SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing**  
 The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Idaho, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 11/16/2008  
 Data Data Arrived at EDR: 11/16/2009  
 Date Made Active in Reports: 01/18/2010  
 Number of Days to Update: 64  
 Data Release Frequency: Varies

**FCIDL: Federal and Indian Lands**  
 Federally and Indian administered lands of the United States. Lands included are administered by Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Waterways, Wetlands, and Native American Management Areas, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Foreign Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/12/2005  
 Data Data Arrived at EDR: 02/04/2006  
 Date Made Active in Reports: 01/11/2007  
 Number of Days to Update: 339  
 Data Release Frequency: Varies

**PCB TRANSFORMER: PCB Transformer Registration Database**  
 The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008  
 Data Data Arrived at EDR: 02/15/2009  
 Date Made Active in Reports: 05/22/2009  
 Number of Days to Update: 100  
 Data Release Frequency: NA

**COAL ASH EPA: Coal Combustion Residues Surface Impoundments List**  
 A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/05/2008  
 Data Data Arrived at EDR: 12/18/2008  
 Date Made Active in Reports: 02/18/2010  
 Number of Days to Update: 54  
 Data Release Frequency: Varies

**COAL ASH: Coal Ash Disposal Site Listing**  
 A listing of coal combustion waste landfills.

Date of Government Version: 03/29/2010  
 Data Data Arrived at EDR: 04/12/2010  
 Date Made Active in Reports: 05/22/2010  
 Number of Days to Update: 100  
 Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/02/2009  
 Date Data Arrived at EDR: 05/26/2008  
 Date Made Active in Reports: 07/02/2009  
 Number of Days to Update: 12  
 Data Release Frequency: Varies

**COAL ASH: DOE: Steam-Electric Plant Operation Data**  
 A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/21/2005  
 Date Data Arrived at EDR: 07/12/2008  
 Date Made Active in Reports: 10/22/2009  
 Number of Days to Update: 76  
 Data Release Frequency: Varies

### EDR PROPRIETARY RECORDS

#### EDR Proprietary Records

##### Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of manufactured gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (only waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
 Date Data Arrived at EDR: N/A  
 Date Made Active in Reports: N/A  
 Number of Days to Update: N/A  
 Data Release Frequency: No Update Planned

### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

#### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a fed facility.

Date of Government Version: 12/31/2007  
 Date Data Arrived at EDR: 08/28/2008  
 Date Made Active in Reports: 09/11/2009  
 Number of Days to Update: 18  
 Data Release Frequency: Annually

#### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/27/2009  
 Date Data Arrived at EDR: 11/02/2009  
 Date Made Active in Reports: 12/09/2009  
 Number of Days to Update: 29  
 Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### RI MANIFEST: Manifest Information

Hazardous waste manifest information  
 Date of Government Version: 11/03/2009  
 Date Data Arrived at EDR: 02/12/2010  
 Date Made Active in Reports: 02/22/2010  
 Number of Days to Update: 10

### RI MANIFEST: Manifest Information

Hazardous waste manifest information  
 Date of Government Version: 12/1/2009  
 Date Data Arrived at EDR: 07/17/2009  
 Date Made Active in Reports: 08/15/2009  
 Number of Days to Update: 24

Source: Department of Environmental Management  
 Telephone: 401-222-2797  
 Last EDR Contact: 03/01/2010  
 Next Scheduled EDR Contact: 04/05/2010  
 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### Electric Power Transmission Line Data

Source: PennWell Corporation  
 Telephone: (800) 823-6277  
 This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental changes. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.  
 Telephone: 312-280-5891  
 The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Center for Medicare & Medicaid Services

Telephone: 1-800-368-1000  
 A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health  
 Telephone: 301-594-6246  
 Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics  
 Telephone: 202-502-7300  
 The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics  
 Telephone: 202-502-7300  
 The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey  
 A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

### STREET AND ADDRESS INFORMATION

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## GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

CLEAN HARBORS  
 251 NEW YORK  
 WICHITA, KS 67219

### TARGET PROPERTY COORDINATES

Latitude (North): 37°28'30" - 37°43'45.5"  
 Longitude (West): 97°22' - 97°19'12"0"  
 Universal Transverse Mercator: Zone 13N  
 UTM X (Meters): 417893.4  
 UTM Y (Meters): 417894.5  
 Elevation: 1314 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 37097-F3 WICHITA EAST, KS  
 Most Recent Revision: 1982

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

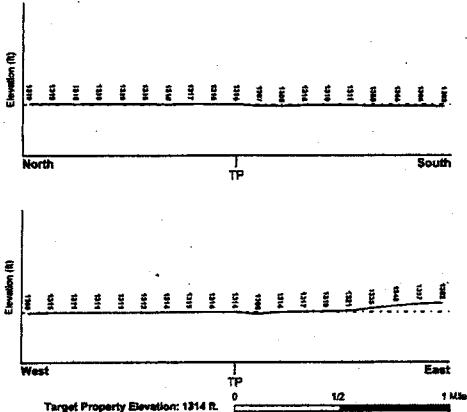
### TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

Target Property County:

SELDWICK, KS

Flood Plain Panel at Target Property:

20173C - FEMA DFIRM Flood data

Additional Panels in search area:

Not Reported

### NATIONAL WETLAND INVENTORY

NWI Check at Target Property:

WICHITA EAST

NWI Electronic Data Coverage

YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### AQUIFLOW™

Search Radius: 1,000 Miles.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID Not Reported	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
------------------------	---------------------	---------------------------------------

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site-specific geologic and soil data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

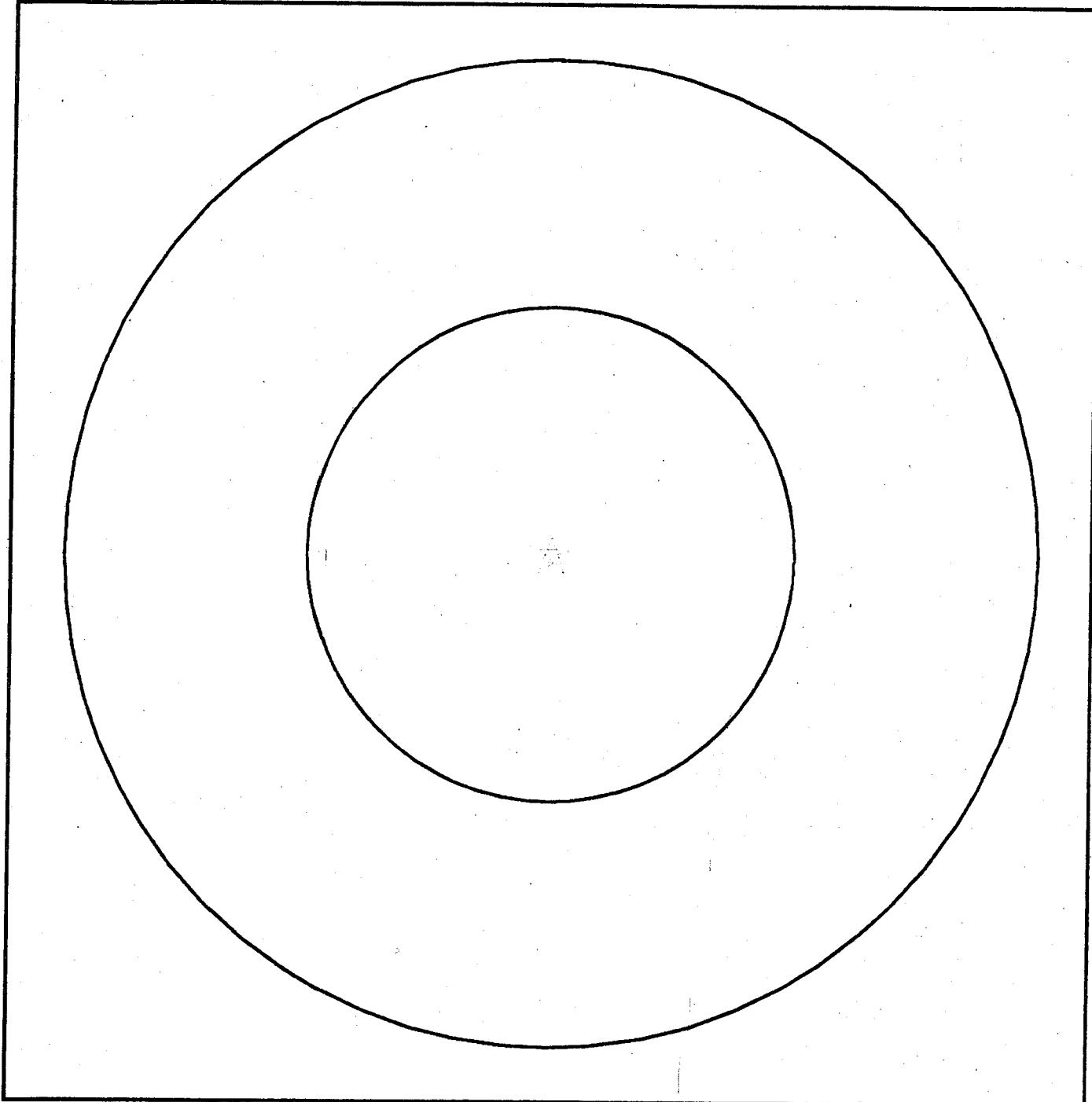
#### ROCK STRATIGRAPHIC UNIT

#### GEOLOGIC AGE IDENTIFICATION

Era:	Cenozoic
System:	Cenozoic
Series:	Quaternary
Code:	Q (decodes above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Sonnenburg, R.E. Arndt and W.J. Bawiec, Geology of the Continental U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Balkman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 2712131.10s



\* Target Property

SSURGO Soil

Water



SITE NAME: Clean Harbors  
ADDRESS: 2549 N. New York  
Wichita KS 67219  
LAT/LONG: 37.7293 / 97.3200

CLIENT: Geotechnical Services, Inc.  
CONTACT: Gregg Armstrong  
INQUIRY #: 2712131.10s  
DATE: March 03, 2010 2:00 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture: Not reported

Hydrologic Group: Not reported

Soil Drainage Class: Unknown

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture: Not reported

Hydrologic Group: Not reported

Soil Drainage Class: Unknown

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Unnamed hydric soils

Soil Surface Texture: Class B - Moderate infiltration rates. Deep and moderately deep, moderately wet; well drained soils with moderately coarse textures.

Hydrologic Group: Not reported

Soil Drainage Class: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.00
Federal PWS PWG	Nearest PWS within 1 mile
State Database	1.00

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G141	USGS2729487	1/4 - 1/4 Mile WNW
K159	USGS2729474	1/4 - 1/2 Mile SSE
H180	USGS2729475	1/4 - 1/2 Mile SSW
C214	USGS2729488	1/4 - 1/2 Mile WNW
D215	USGS2729489	1/4 - 1/2 Mile WNW
U226	USGS2729490	1/4 - 1/2 Mile WNW
V226	USGS2729497	1/4 - 1/2 Mile WNW
V227	USGS2729499	1/4 - 1/2 Mile WNW
V228	USGS2729495	1/4 - 1/2 Mile WNW
V229	USGS2729498	1/4 - 1/2 Mile WNW
V230	USGS2729466	1/4 - 1/2 Mile WNW
V231	USGS2729494	1/4 - 1/2 Mile WNW
W573	USGS2729493	1/4 - 1/2 Mile SW
AB374	USGS2729478	1/4 - 1/2 Mile SW
AB375	USGS2729477	1/4 - 1/2 Mile SW
AB376	USGS2729478	1/4 - 1/2 Mile SW
AD382	USGS2729507	1/4 - 1/2 Mile NWW
386	USGS2729500	1/4 - 1/2 Mile WNW
AD486	USGS2729486	1/2 - 1 Mile SW
AD487	USGS2729467	1/2 - 1 Mile SW
AD488	USGS2729465	1/2 - 1 Mile SW

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## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AD489	USGS2729464	1/2 - 1 Mile SW
502	USGS2729519	1/2 - 1 Mile SW
BB578	USGS2729503	1/2 - 1 Mile SW
503	USGS2729509	1/2 - 1 Mile WNW
BB540	USGS2729504	1/2 - 1 Mile WNW
BH540	USGS2729480	1/2 - 1 Mile WSW
BH547	USGS2729478	1/2 - 1 Mile WSW
BH555	USGS2729480	1/2 - 1 Mile West
BH555	USGS2729504	1/2 - 1 Mile SW
BH573	USGS2729501	1/2 - 1 Mile SW
708	USGS2729507	1/2 - 1 Mile WNW
709	USGS2729502	1/2 - 1 Mile SW
B173	USGS2729509	1/2 - 1 Mile WNW
CA783	USGS2729491	1/2 - 1 Mile West
CH500	USGS2729538	1/2 - 1 Mile HNW
CO551	USGS2729532	1/2 - 1 Mile HW
CB278	USGS2729532	1/2 - 1 Mile HW
CB279	USGS2729533	1/2 - 1 Mile HW
CB280	USGS2729530	1/2 - 1 Mile HW
CB281	USGS2729530	1/2 - 1 Mile HW
CB282	USGS2729531	1/2 - 1 Mile HW
CB283	USGS2729528	1/2 - 1 Mile HW

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B16	KS5000000084637	0 - 1/8 Mile ESE
B17	KS5000000084636	0 - 1/8 Mile ESE
B18	KS5000000084639	0 - 1/8 Mile ESE
B19	KS5000000084638	0 - 1/8 Mile ESE
B20	KS5000000084633	0 - 1/8 Mile ESE
B21	KS5000000084632	0 - 1/8 Mile ESE
B22	KS5000000084635	0 - 1/8 Mile ESE
B23	KS5000000084634	0 - 1/8 Mile ESE
B24	KS5000000084645	0 - 1/8 Mile ESE
B25	KS5000000084644	0 - 1/8 Mile ESE
B26	KS5000000084647	0 - 1/8 Mile ESE
B27	KS5000000084646	0 - 1/8 Mile ESE
B28	KS5000000084641	0 - 1/8 Mile ESE
B29	KS5000000084640	0 - 1/8 Mile ESE
B30	KS5000000084643	0 - 1/8 Mile ESE
C40	KS5000000084642	0 - 1/8 Mile ESE
C41	KS5000000083407	0 - 1/8 Miles NW
C42	KS50000000865415	0 - 1/4 Mile NE
C43	KS50000000865416	0 - 1/4 Mile NE
C44	KS50000000865413	0 - 1/4 Mile NE
C45	KS50000000865414	0 - 1/4 Mile NE
C46	KS50000000865419	0 - 1/4 Mile NE
C47	KS50000000865410	0 - 1/4 Mile NE
C48	KS50000000865417	0 - 1/4 Mile NE
C49	KS50000000865418	0 - 1/4 Mile NE
D50	KS5000000083985	0 - 1/4 Mile SSW
D51	KS5000000083984	0 - 1/4 Mile SSW
D52	KS5000000083983	0 - 1/4 Mile SSW
D53	KS5000000083988	0 - 1/4 Mile SSW
D54	KS5000000083987	0 - 1/4 Mile SSW
D55	KS5000000083986	0 - 1/4 Mile SSW
D56	KS5000000083982	0 - 1/4 Mile SSW
D57	KS5000000083978	0 - 1/4 Mile SSW
D58	KS5000000083977	0 - 1/4 Mile SSW
D59	KS5000000083976	0 - 1/4 Mile SSW
D60	KS5000000083981	0 - 1/4 Mile SSW
D61	KS5000000083980	0 - 1/4 Mile SSW
D62	KS5000000083979	0 - 1/4 Mile SSW
D63	KS5000000083988	0 - 1/4 Mile SSW
D64	KS5000000083967	0 - 1/4 Mile SSW
D65	KS5000000083998	0 - 1/4 Mile SSW
D66	KS5000000084001	0 - 1/4 Mile SSW
D67	KS5000000084000	0 - 1/4 Mile SSW

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	KSS000000084621	0 - 1/8 Mile WSW
A2	KSS000000084622	0 - 1/8 Mile WSW
A3	KSS000000084623	0 - 1/8 Mile WSW
A4	KSS000000084617	0 - 1/8 Mile WSW
A5	KSS000000084618	0 - 1/8 Mile WSW
A6	KSS000000084619	0 - 1/8 Mile WSW
A7	KSS000000084624	0 - 1/8 Mile WSW
A8	KSS000000084628	0 - 1/8 Mile WSW
A9	KSS000000084630	0 - 1/8 Mile WSW
A10	KSS000000084632	0 - 1/8 Mile WSW
A11	KSS000000084638	0 - 1/8 Mile WSW
A12	KSS000000084625	0 - 1/8 Mile WSW
A13	KSS000000084626	0 - 1/8 Mile WSW
A14	KSS000000084628	0 - 1/8 Mile WSW
A15	KSS000000084627	0 - 1/8 Mile WSW







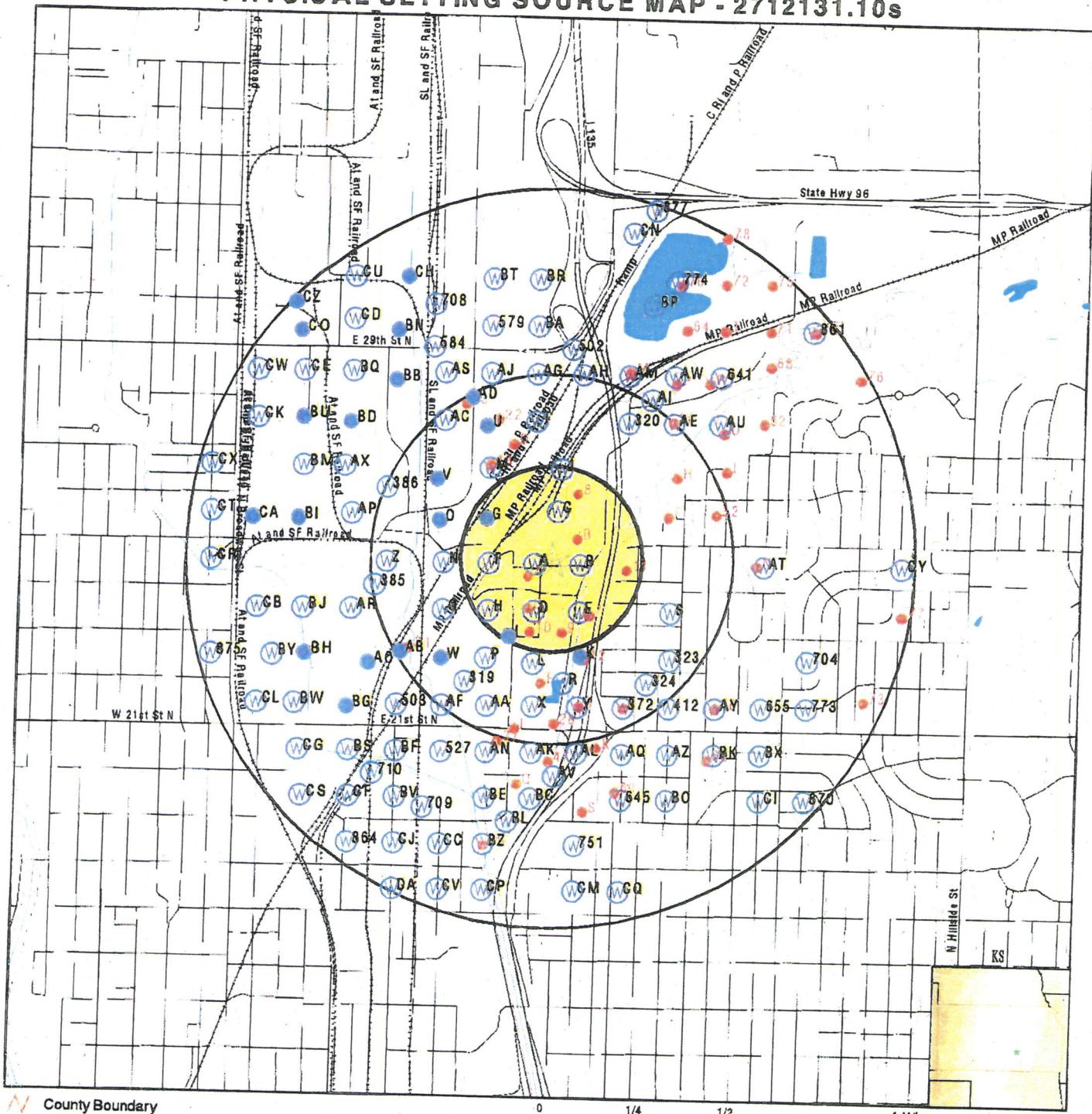


**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

**STATE OIL/GAS WELL INFORMATION**

MAP ID	WELL ID	LOCATION FROM TP
37	KSG05000146521	1/2 - 1 Mile SSW
K38	KSG05000146542	1/2 - 1 Mile SSE
L39	KSG05000146537	1/2 - 1 Mile ENE
L41	KSG05000146545	1/2 - 1 Mile ESE
L40	KSG05000146547	1/2 - 1 Mile ENE
L42	KSG05000146544	1/2 - 1 Mile ENE
X43	KSG05000146499	1/2 - 1 Mile SSE
M44	KSG05000146583	1/2 - 1 Mile NNE
N45	KSG05000146598	1/2 - 1 Mile NNE
N46	KSG05000146595	1/2 - 1 Mile East
47	KSG050001465402	1/2 - 1 Mile South
L48	KSG05000146771	1/2 - 1 Mile ENE
M49	KSG05000146442	1/2 - 1 Mile NNE
O51	KSG05000146571	1/2 - 1 Mile NE
O50	KSG05000146570	1/2 - 1 Mile NE
P52	KSG05000146574	1/2 - 1 Mile NE
K53	KSG05000146513	1/2 - 1 Mile NE
N54	KSG05000147795	1/2 - 1 Mile East
O55	KSG05000146287	1/2 - 1 Mile South
56	KSG05000146733	1/2 - 1 Mile SE
G57	KSG05000146159	1/2 - 1 Mile South
R59	KSG05000146320	1/2 - 1 Mile NE
F59	KSG05000146519	1/2 - 1 Mile NE
60	KSG05000146164	1/2 - 1 Mile SSE
S61	KSG05000146544	1/2 - 1 Mile South
62	KSG05000146048	1/2 - 1 Mile ESE
63	KSG05000146430	1/2 - 1 Mile SE
64	KSG05000146965	1/2 - 1 Mile NNE
S65	KSG050001465929	1/2 - 1 Mile South
767	KSG05000146584	1/2 - 1 Mile NE
T66	KSG05000146530	1/2 - 1 Mile NE
66	KSG05000146458	1/2 - 1 Mile NE
68	KSG05000145378	1/2 - 1 Mile SW
70	KSG05000150151	1/2 - 1 Miles NNE
71	KSG05000146595	1/2 - 1 Miles NE
72	KSG05000150194	1/2 - 1 Miles NNE
73	KSG05000146538	1/2 - 1 Miles EBE
74	KSG05000146597	1/2 - 1 Miles NE
75	KSG05000146521	1/2 - 1 Miles NE
76	KSG05000146507	1/2 - 1 Miles NE
77	KSG05000147808	1/2 - 1 Miles NE
78	KSG05000150590	1/2 - 1 Miles NNE

# PHYSICAL SETTING SOURCE MAP - 2712131.10s



County Boundary

Major Roads

Contour Lines

Earthquake epicenter, Richter 5 or greater

Water Wells

Public Water Supply Wells

Cluster of Multiple Icons

Groundwater Flow Direction

Indeterminate Groundwater Flow at Location

Groundwater Flow Varies at Location

Oil, gas or related wells

SITE NAME: Clean Harbors  
ADDRESS: 2549 N. New York  
Wichita KS 67219  
LAT/LONG: 37.7293 / 97.3200

CLIENT: Geotechnical Services, Inc.  
CONTACT: Gregg Armstrong  
INQUIRY #: 2712131.10s  
DATE: March 03, 2010 2:00 pm

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### TOPOGRAPHIC INFORMATION

#### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geological Survey  
EDR has updated the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:25,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

#### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geological Survey  
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

### HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the county, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### HYDROGEOLOGIC INFORMATION

#### AQUIFLOW® Information System

Source: EDR proprietary database of groundwater flow information  
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at selected sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

### GEOLOGIC INFORMATION

#### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schreiber, R.E. Arnett and W.L. Basquin, Geology of the Contiguous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Balkemek Map, USGS Digital Data Series DDS-11 (1984).

#### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for conducting, verifying, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map is a map or planimetric representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

#### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

1:12,000 scale  
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping soil spatially range from 1:12,000 to 1:25,000. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

PWS: Public Water Systems  
Source: EPA Office of Drinking Water  
Telephone: 202-564-3760

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.  
PWS ENF: Public Water Systems Violation and Enforcement Data  
Source: EPA Office of Drinking Water  
Telephone: 202-564-3760  
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Kansas Water Well Completion Records Database  
Source: Kansas Geological Survey  
Telephone: 913-864-3965

### OTHER STATE DATABASE INFORMATION

Oil and Gas Well Location Database Listing  
Source: Kansas Geological Survey  
Telephone: 785-864-3965

#### RADON

State Database: KS Radon  
Source: Department of Health & Environment  
Telephone: 785-265-1500  
Kansas Indoor Radon Measurements

#### Area Radon Information

Source: USGS  
Telephone: 703-655-4020  
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA's State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA  
Telephone: 703-655-4020  
Sections 307 & 309 of IRR directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels

### OTHER

Airport Landing Facilities: Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-4489

Epicenters: World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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Clean Harbors  
2549 N. New York  
Wichita, KS 67219

Inquiry Number: 2712131.12  
March 04, 2010

TC2712131.10s Page A-441

EDR Environmental Data Resources Inc.  
1000 University Street, Suite 1000  
Seattle, WA 98101  
(800) 544-3599  
www.edr.com

## TABLE OF CONTENTS

### SECTION

Executive Summary  
Findings

Thank you for your business.  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## 2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

**City Directory Report.** Three important enhancements have been made to the EDR City Directory Abstract:

1. **Executive Summary.** The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available a parcel map is also provided within the report, showing the locations of properties researched.

2. **Page Images.** Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these Images.

3. **Findings Listed by Location.** Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

**Options for Selecting Adjoining Properties.** Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. **You Select Addresses and EDR Selects Addresses.** Use the "Add Another Address" feature to specify the addresses you want researched. Your selection will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.

2. **EDR Selects Addresses.** Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our-established search methods.

3. **You Select Addresses.** Use this method for research based solely on the addresses you select or enter into the system.

4. **Hold City Directory Research Option.** If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your own EDR research and see what property types are being selected. The new Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and/or your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit [www.edrnet.com/2009enhancements](http://www.edrnet.com/2009enhancements)

## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	ID	Adjoining	Text Abstract	Source Images
2009	Polk's City Directory	X	X	X	-
2003	Polk's City Directory	-	X	X	-
1998	Polk's City Directory	-	X	X	-
1993	Polk's City Directory	-	X	X	-
1988	Polk's City Directory	-	X	X	-
1983	Polk's City Directory	-	X	X	-
1978	Polk's City Directory	-	X	X	-
1973	Polk's City Directory	-	X	X	-
1968	Polk's City Directory	-	X	X	-
1964	Polk's City Directory	-	X	X	-
1955	Polk's City Directory	-	X	X	-

## FINDINGS

### TARGET PROPERTY INFORMATION

**ADDRESS**  
2549 N. New York  
Wichita, KS 67219

**FINDINGS DETAIL**  
Target Property research detail.

Year	User	Source
2009	Clean Harbors Environmental	Polk's City Directory

## FINDINGS

### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

### E 25th St N

#### E 25th St N

Year	Uses	Source
2009	No intersects could be determined	Polk's City Directory
2003	No intersects could be determined	Polk's City Directory
1998	No intersects could be determined	Polk's City Directory
1993	No intersects could be determined	Polk's City Directory
1988	No intersects could be determined	Polk's City Directory
1983	No intersects could be determined	Polk's City Directory
1978	No intersects could be determined	Polk's City Directory
1973	No intersects could be determined	Polk's City Directory
1968	No intersects could be determined	Polk's City Directory
1964	No intersects could be determined	Polk's City Directory
1965	No intersects could be determined	Polk's City Directory

### N. New York

#### N. New York

Year	Uses	Source
2009	No other listings on street	Polk's City Directory
2441	N. New York	
Year	Uses	Source
2008	Caster Excavating Casters Iron	Polk's City Directory Polk's City Directory
2648	N. New York	
Year	Uses	Source
2009	Union Pacific Railroad Co UPS Freight	Polk's City Directory Polk's City Directory
2711	N. New York	
Year	Uses	Source
2009	C & W Auto Salvage	Polk's City Directory

2712131-12

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## FINDINGS

### STREET NOT LISTED IN RESEARCH SOURCE

The following Streets were researched for this report, and the Streets were not listed in the research source.

Street Researched	Street Not Listed In Research Source
N. New York	2003, 1998, 1993, 1988, 1983, 1973, 1968, 1964, 1955

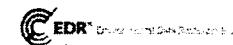
**Clean Harbors**  
2549 N. New York  
Wichita, KS 67219

Inquiry Number: 2712131.11  
March 04, 2010

## Certified Sanborn® Map Report

30440

Site Name: Clean Harbors Client Name: Geotechnical Services, Inc.  
Address: 2549 N. New York 4503 E. 47th Street East  
City, State, Zip: Wichita, KS 67219 Wichita, KS 67210  
EDR Inquiry #: 2712131.11 Contact: Gregg Armstrong



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Geotechnical Services, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrinc.com/sanborn](http://www.edrinc.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

### Certified Sanborn Results:

Site Name: Clean Harbors  
Address: 2549 N. New York  
City, State, Zip: Wichita, KS 67219  
Cross Street:  
P.O. #:  
Project:  
Certification #:

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched?

- Library of Congress
- University Publications of America
- EDR Private Collection

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## **10.5 Kansas Geological Survey Well Data**

## KGS-Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

Page 1 of 3

KGS	Water Well Database Query	Township: 27S, Range: 1E, Section: 4	Save Data to File	Map Wells In This Area
Hydrology		Select location of well to view details. Click on column heading to sort.		

517 records. Only 50 records displayed at a time--sort will affect ALL records. (Sort on Well Use is NOT alphabetical--wells are grouped by use code.)

View page: 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Next &gt;

T-R-S	Owner	Well Depth Ascend. Desc.	Static Water Level Ascend. Desc.	Est. Yield Ascend. Desc.	Well Use	Other ID	Action Taken	Completion Date Ascend. Desc.	Scan?
Sec. 4 SE SW SW	Gibson Transfer Company	45 ft.	15 ft.	0 gpm.	Domestic		Constructed	07-Apr-1975	Scan
Sec. 4 SWNESE		30 ft.	16 ft.	0 gpm.	Domestic		Constructed	16-Apr-1981	
Sec. 4 SW SE NE	De Bruce Grain, Inc	23.35 ft.	5.22 ft.		Domestic		Plugged	17-Feb-2005	PDF
Sec. 4 SE SE NE	Clean Harbors	22 ft.			Domestic	SK 8S	Constructed	19-Oct-2004	PDF
Sec. 4 NENESE	HYDRO CARBON	35 ft.	14 ft.	0 gpm.	Industrial		Constructed	26-Jul-1990	
Sec. 4 NWENW		44 ft.	11 ft.	700 gpm.	Industrial		Constructed	16-Jun-1975	
Sec. 4 NWNWNE	HAPMFL CO	38 ft.		0 gpm.	Industrial		Plugged	15-Sep-1992	
Sec. 4 NESWSW	THEIS	50 ft.	13 ft.	0 gpm.	Industrial		Constructed	04-Apr-1988	
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	34.5 ft.	12.7 ft.		Industrial	PW 54	Plugged	14-Dec-2005	PDF
Sec. 4 NE NE NW	Excel Corporation	44.6 ft.	14.2 ft.		Industrial		Plugged	26-Jun-2000	Scan
Sec. 4 NWNWNE	HORMFL CO	33 ft.		0 gpm.	Industrial		Plugged	15-Sep-1992	
Sec. 4 SW SW SE	El Paso Merchant Energy Petroleum Co.	35 ft.	11.4 ft.		Public Water Supply	PW 52	Plugged	14-Dec-2005	PDF
Sec. 4 SE SW SW	Best Supply Co	40 ft.	13 ft.		Lawn and Garden - domestic only		Plugged	03-Nov-2008	PDF
Sec. 4 NW NW NE	Vim Trailer Mfg. Incorporated	40 ft.	20 ft.	0 gpm.	Lawn and Garden - domestic only		Constructed	25-Jan-1975	Scan
Sec. 4 NWNWSE	BUCKNER	32 ft.	14 ft.	0 gpm.	Lawn and Garden - domestic only		Reconstructed	04-Apr-1991	
Sec. 4 SWNESE	KENYEN	40 ft.	19 ft.	0 gpm.	Lawn and Garden - domestic only		Constructed	14-Feb-1994	

[http://abyss.kgs.ku.edu/pls/abyss/www5d2.dispTRS?\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/www5d2.dispTRS?_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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Sec. 4 NW NW NW	Crew Cut Landscaping	40 ft.	15 ft.		Lawn and Garden - domestic only		Constructed	19-Apr-2004	Scan
Sec. 4 SE SW NE	Vuc, Mr.	37 ft.	17 ft.		Lawn and Garden - domestic only		Constructed	04-Apr-2006	PDF
Sec. 4 NE NW NW	Stowers, Rex and Sharon	80 ft.	30 ft.		Lawn and Garden - domestic only		Constructed	06-May-2008	PDF
Sec. 4 NW NW NE	Vim Trailer Mfg Inc.	40 ft.	20 ft.	0 gpm.	Lawn and Garden - domestic only		Constructed	25-Jan-1975	Scan
Sec. 4 NE NW NE	Universal Lubricants	40 ft.	15 ft.		Lawn and Garden - domestic only		Constructed	06-Nov-2009	PDF
Sec. 4 SW NW NE	Segleman, J.T.	50 ft.	17 ft.		Lawn and Garden - domestic only		Constructed	08-Mar-2001	Scan
Sec. 4 SWSWNW		35 ft.	17 ft.	75 gpm.	Air Conditioning		Constructed	09-Jun-1982	
Sec. 4 NWSWSE	COASTAL REFINER	30 ft.	15 ft.		Air Conditioning		Constructed	15-May-1995	
Sec. 4 SWSESB	COSTAL REFINERY	28 ft.	15 ft.	0 gpm.	Dewatering		Constructed	11-Jul-1994	
Sec. 4 SWSPSE	COASTAL REFINERY	28 ft.	15 ft.	0 gpm.	Dewatering		Constructed	11-Jul-1994	
Sec. 4 NWNENE CO	ROBT WISE CO	46 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	23-Mar-1991	
Sec. 4 SESWNW	WNID GLICKMAN	22 ft.	15 ft.		Monitoring well/observation/piezometer		Constructed	29-Mar-1991	
Sec. 4 SESESW	KAMEN INC	22 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	03-Apr-1991	
Sec. 4 NENESW CO	MARCH OIL CO	40 ft.	13 ft.		Monitoring well/observation/piezometer		Constructed	16-Apr-1991	
Sec. 4 NENESW COMP	MARCH OIL COMP	23 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	15-Apr-1991	
Sec. 4 SESENE	WNID UN PACIFIC	24 ft.	0 ft.		Monitoring well/observation/piezometer		Constructed	24-Jul-1991	
Sec. 4 SWSWSW	BEST SUPPLY CO	24 ft.	17 ft.		Monitoring well/observation/piezometer		Constructed	25-Mar-1991	
Sec. 4 SWSFNW COMP	EXCEL COMP	42 ft.	13 ft.		Monitoring well/observation/piezometer		Constructed	19-Apr-1991	
Sec. 4 SWNENW COMP	EXCEL COMP	20 ft.	15 ft.		Monitoring well/observation/piezometer		Constructed	18-Jul-1991	
Sec. 4 SWSENW COMP	EXCEL COMP	47 ft.	13 ft.		Monitoring well/observation/piezometer		Constructed	19-Apr-1991	
Sec. 4 SWSENW COMP	EXCEL COMP	18 ft.	13 ft.		Monitoring well/observation/piezometer		Constructed	19-Apr-1991	
Sec. 4 NESWNE FERT	WIL-GROW FERT	35 ft.	20 ft.		Monitoring well/observation/piezometer		Constructed	07-Jul-1989	
Sec. 4					Monitoring			14-Nov-	

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## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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NENWNE	UNIVERSAL	23 ft.	12 ft.		well/observation/piezometer	Constructed	1988	
Sec. 4 NENWNE	UNIVERSAL	23 ft.	12 ft.		Monitoring well/observation/piezometer	Constructed	14-Nov-1988	
Sec. 4 SWNENW	EXCEL CORP	22 ft.	15 ft.		Monitoring well/observation/piezometer	Constructed	25-Mar-1991	
Sec. 4 SWSENW	CARGILL INC	22 ft.	14 ft.		Monitoring well/observation/piezometer	Constructed	25-Mar-1991	
Sec. 4 SESWSE	DERBY REFIN CO	27 ft.	14 ft.		Monitoring well/observation/piezometer	Constructed	28-Sep-1988	
Sec. 4 SWNENW	EXCEL CORP	22 ft.	16 ft.		Monitoring well/observation/piezometer	Constructed	16-Apr-1991	
Sec. 4 SWNENW	EXCEL CORP	48 ft.	16 ft.		Monitoring well/observation/piezometer	Constructed	28-Apr-1991	
Sec. 4 NWSENW	EXCEL CORP	18 ft.	13 ft.		Monitoring well/observation/piezometer	Constructed	23-Apr-1991	
Sec. 4 NWSENW	EXCEL CORP	44 ft.	13 ft.		Monitoring well/observation/piezometer	Constructed	23-Apr-1991	
Sec. 4 NENWSE	DERBY REFINING	36 ft.	14 ft.		Monitoring well/observation/piezometer	Constructed	17-May-1991	
Sec. 4 SENWNW	EXCEL CORP	43 ft.	15 ft.		Monitoring well/observation/piezometer	Constructed	18-Apr-1991	
Sec. 4 SENWNW	EXCEL CORP	22 ft.	15 ft.		Monitoring well/observation/piezometer	Constructed	18-Apr-1991	

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## Kansas Geological Survey

Comments to webadmin@kgs.ku.edu

URL=http://www.kgs.ku.edu/Magellan/WaterWell/index.html

Display Programs Updated July 29, 2004

Data added continuously.

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

Page 1 of 3

KGS	Water Well Database Query	Township: 27S, Range: 1E, Section: 4 Select location of well to view details. Click on column heading to sort.	Save Data to File	Map Wells in This Area
-----	---------------------------	--	-------------------	------------------------

517 records. Only 50 records displayed at a time--sort will affect ALL records. (Sort on Well Use is NOT alphabetical--wells are grouped by use code.)

View page: 1   2   3   4   5   6   7   8   9   10   Next >										
T-R-S	Owner	Well Depth Ascend. Desc.	Static Water Level Ascend. Desc.	Est. Yield Ascend. Desc.	Well Use	Other ID	Action Taken	Completion Date Ascend. Desc.	Scan?	
Sec. 4 NWENW	EXCEL CORP	20 ft.	13 ft.		Monitoring well/observation/piezometer		Constructed	17-Apr-1991		
Sec. 4 NCSENE	UNION PACIFIC R	25 ft.	16 ft.		Monitoring well/observation/piezometer		Constructed	06-Jul-1994		
Sec. 4 NWSENE	UNION PACIFIC R	25 ft.	16 ft.		Monitoring well/observation/piezometer		Constructed	06-Jul-1994		
Sec. 4 NWSENE	UNION PACIFIC R	25 ft.	17 ft.		Monitoring well/observation/piezometer		Constructed	06-Jul-1994		
Sec. 4 NCSENE	UNION PACIFIC R	25 ft.			Monitoring well/observation/piezometer		Constructed	06-Jul-1994		
Sec. 4 SWSESE	COASTAL RFNNG	30 ft.	15 ft.		Monitoring well/observation/piezometer		Constructed	17-Mar-1994		
Sec. 4 SENWSW	THIBS COMPANY	50 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	24-Feb-1988		
Sec. 4 NESWNE	UNIVERSAL MOTOR	42 ft.	10 ft.		Monitoring well/observation/piezometer		Constructed	30-Apr-1987		
Sec. 4 SENWNE	UNIVERSAL MOTOR	43 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	24-Apr-1987		
Sec. 4 SENWNF	UNIV MOTOR OILS	30 ft.	10 ft.		Monitoring well/observation/piezometer		Constructed	24-Apr-1987		
Sec. 4 NWSWSE		24 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1980		
Sec. 4 NWSWSE		23 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	23-Jul-1981		
Sec. 4 SESWSSE		23 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	05-Jun-1981		
Sec. 4 SESWSR		23 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	05-Jun-1981		
Sec. 4 SESWSSE		23 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	05-Jun-1981		
Sec. 4 SESWSSE		24 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	23-Apr-1981		
Sec. 4 SESWSSE		25 ft.	13 ft.		Monitoring well/observation/piezometer		Constructed	20-Mar-1981		
Sec. 4 SESWSSE		28 ft.	12 ft.		Monitoring well/observation/piezometer		Constructed	23-Apr-1981		
Sec. 4 SWNESF		24 ft.	15 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1980		

http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f\_t=27&amp;f\_r=1&amp;ew=E&amp;f\_s=4&amp;sort\_by=12&amp;f\_... 3/10/2010

http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f\_t=27&amp;f\_r=1&amp;ew=E&amp;f\_s=4&amp;sort\_by=12&amp;f\_... 3/10/2010

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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Sec. 4 SENESE	COASTAL REFINRY	34 ft.	12 ft.		Monitoring well/observation/piezometer	Constructed	28-Feb- 1993	
Sec. 4 SENESE	COASTAL REFINRY	34 ft.	12 ft.		Monitoring well/observation/piezometer	Constructed	28-Feb- 1993	
Sec. 4 NEWSW	OHSE MEATS	20 ft.	12 ft.		Monitoring well/observation/piezometer	Constructed	14-Jun- 1993	
Sec. 4 SWNW NW	Kansas Dept. of Health and Environment	18 ft.	10 ft.		Monitoring well/observation/piezometer	Constructed	18-Sep- 1985	
Sec. 4 NW NW NW	KD&HE	7 ft.	10 ft.		Monitoring well/observation/piezometer	Constructed	20-Sep- 1985	
Sec. 4 SE	DERBY REFINING	28 ft.	0 ft.		Monitoring well/observation/piezometer	Constructed	28-Jun- 1984	
Sec. 4 SE	DERBY REFINING	20 ft.	7 ft.		Monitoring well/observation/piezometer	Constructed	15-Mar- 1984	
Sec. 4 SE	DERBY REFINING	20 ft.	0 ft.		Monitoring well/observation/piezometer	Constructed	16-Mar- 1984	
Sec. 4 SE	DERBY REFINING	24 ft.	0 ft.		Monitoring well/observation/piezometer	Constructed	15-Mar- 1984	
Sec. 4 NENWNW	EXCEL CORP	19 ft.	14 ft.		Monitoring well/observation/piezometer	Constructed	11-Sep- 1991	
Sec. 4 SESENE	WNID UN PACIFIC	24 ft.	18 ft.		Monitoring well/observation/piezometer	Constructed	27-Jul- 1991	
Sec. 4 NWSW NE	BROWNING FERRIS	19 ft.	13 ft.		Monitoring well/observation/piezometer	Constructed	18-Sep- 1992	
Sec. 4 NCSWSW	OSHE MEATS	27 ft.	21 ft.		Monitoring well/observation/piezometer	Constructed	30-Apr- 1992	
Sec. 4 SWNESW	MARCH OIL CO	25 ft.	17 ft.		Monitoring well/observation/piezometer	Constructed	28-May- 1992	
Sec. 4 SWNESW	MARCH OIL CO	42 ft.	17 ft.		Monitoring well/observation/piezometer	Constructed	28-May- 1992	
Sec. 4 NCSESW	MARCH OIL CO	25 ft.	17 ft.		Monitoring well/observation/piezometer	Constructed	28-May- 1992	
Sec. 4 NCSESW	MARCH OIL CO	40 ft.	17 ft.		Monitoring well/observation/piezometer	Constructed	28-May- 1992	
Sec. 4 SWSE SW	MARCH OIL CO	25 ft.	15 ft.		Monitoring well/observation/piezometer	Constructed	29-May- 1992	
Sec. 4 SENWNW	GLICKMAN% KENNED	18 ft.	10.7 ft.		Monitoring well/observation/piezometer	Constructed	30-Oct- 1995	
Sec. 4 NCS2NW	KS POWER & LIGH	20 ft.	10 ft.		Monitoring well/observation/piezometer	Constructed	11-Apr- 1994	
Sec. 4 SENE	UP RR	24 ft.	18 ft.		Monitoring well/observation/piezometer	Constructed	03-Oct- 1994	
Sec. 4 SENE	UP RR	23 ft.	17 ft.		Monitoring well/observation/piezometer	Constructed	04-Oct- 1994	
Sec. 4 SENE	UP RR	25 ft.	16 ft.		Monitoring well/observation/piezometer	Constructed	04-Oct- 1994	
Sec. 4 SENE	UP RR	24 ft.	19 ft.		Monitoring well/observation/piezometer	Constructed	04-Oct- 1994	

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## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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Sec. 4 SENE	UP RR	24 ft.	17 ft.		Monitoring well/observation/piezometer	Constructed	05-Oct- 1994	
Sec. 4 NW NENE	ROBT WISE CO	22 ft.	14 ft.		Monitoring well/observation/piezometer	Constructed	23-Mar- 1991	
Sec. 4 SW NW SW	City of Wichita	22 ft.	13 ft.		Monitoring well/observation/piezometer	Constructed	27-Mar- 1991	
Sec. 4 SW SW SE	El Paso Energy Petroleum Co.	21.08 ft.	9 ft.		Monitoring well/observation/piezometer	19	Plugged	20-Sep- 2007
Sec. 4 SE SW SE	El Paso Energy Petroleum Co.	27 ft.	10.75 ft.		Monitoring well/observation/piezometer	RW 17	Plugged	20-Sep- 2007
Sec. 4 SW SW SE	El Paso Energy Petroleum Co.	31 ft.	13.33 ft.		Monitoring well/observation/piezometer	RW 29 R	Plugged	20-Sep- 2007
Sec. 4 SW SW SE	El Paso Energy Petroleum Co.	33.16 ft.	11.58 ft.		Monitoring well/observation/piezometer	RW 29	Plugged	20-Sep- 2007

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## Kansas Geological Survey

Comments to [webadmin@kgs.ku.edu](mailto:webadmin@kgs.ku.edu)URL=<http://www.kgs.ku.edu/Magellan/WaterWell/index.html>

Display Programs Updated July 29, 2004

Data added continuously,

[http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

KGS	<a href="#">Water Well Database Query</a>	Township: 27S, Range: 1E, Section: 4 Select location of well to view details. Click on column heading to sort.	<a href="#">Save Data to File</a>	<a href="#">Map Wells in This Area</a>
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517 records. Only 50 records displayed at a time--sort will affect ALL records. (Sort on Well Use is NOT alphabetical--wells are grouped by use code.)

View page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next >](#)

T-R-S	Owner	Well Depth Ascend. Desc.	Static Water Level Ascend. Desc.	Est. Yield Ascend. Desc.	Well Use	Other ID	Action Taken	Completion Date Ascend. Desc.	Scan?
Sec. 4 NE NW SE	Kansas Dept. of Health and Environment	19 ft.	13.31 ft.		Monitoring well/observation/piezometer	MW 6	Constructed	21-Dec-2007	<a href="#">PDF</a>
Sec. 4 NW NW SE	Kansas Dept. of Health and Environment	19 ft.	11.24 ft.		Monitoring well/observation/piezometer	MW 2	Constructed	21-Dec-2007	<a href="#">PDF</a>
Sec. 4 SW SW SE	El Paso Energy Petroleum Co.	29.33 ft.	11.66 ft.		Monitoring well/observation/piezometer	RW 23	Plugged	20-Sep-2007	<a href="#">PDF</a>
Sec. 4 NW NW SE	Kansas Dept. of Health and Environment	19 ft.	11.48 ft.		Monitoring well/observation/piezometer	MW 3	Constructed	21-Dec-2007	<a href="#">PDF</a>
Sec. 4 SE SW SE	El Paso Energy Petroleum Co.	29 ft.	11 ft.		Monitoring well/observation/piezometer	MW 50	Plugged	20-Sep-2007	<a href="#">PDF</a>
Sec. 4 SE SW SE	El Paso Merchant Energy - Petroleum Co.	11.56 ft.			Monitoring well/observation/piezometer	16	Plugged	24-Aug-2009	<a href="#">PDF</a>
Sec. 4 NW NW SE	KDHE	19.7 ft.	14.02 ft.		Monitoring well/observation/piezometer	MW 5	Plugged	13-Oct-2009	<a href="#">PDF</a>
Sec. 4 SW	El Paso Merchant Energy -	15.81 ft.	15.71 ft.		Monitoring well/observation/piezometer	42 A	Plugged	24-Aug-2009	<a href="#">PDF</a>

NE SE	Petroleum Co								
Sec. 4 NW NW SE	KDHE	18.72 ft.	10.37 ft.		Monitoring well/observation/piezometer	MW 2	Plugged	12-Oct-2009	<a href="#">PDF</a>
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co	22.5 ft.			Monitoring well/observation/piezometer	12	Plugged	15-Jan-2010	<a href="#">PDF</a>
Sec. 4 SW NE SE	El Paso Merchant Energy - Petroleum Co	15.31 ft.	14.51 ft.		Monitoring well/observation/piezometer	42	Plugged	24-Aug-2009	<a href="#">PDF</a>
Sec. 4 SE NW SE	El Paso Merchant Energy - Petroleum Co	19.07 ft.	18.11 ft.		Monitoring well/observation/piezometer	40	Plugged	24-Aug-2009	<a href="#">PDF</a>
Sec. 4 NE SW SE	El Paso Merchant Energy - Petroleum Co	14.95 ft.			Monitoring well/observation/piezometer	44	Plugged	24-Aug-2009	<a href="#">PDF</a>
Sec. 4 NW SW SE	El Paso Merchant Energy - Petroleum Co	11.48 ft.			Monitoring well/observation/piezometer	23	Plugged	24-Aug-2009	<a href="#">PDF</a>
Sec. 4 NW NW SE	KDHE	18.87 ft.	12.49 ft.		Monitoring well/observation/piezometer	MW 6	Plugged	12-Oct-2009	<a href="#">PDF</a>
Sec. 4 NW NW SE	KDHE	18.76 ft.	10.63 ft.		Monitoring well/observation/piezometer	MW 3	Plugged	12-Oct-2009	<a href="#">PDF</a>
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co	28 ft.			Monitoring well/observation/piezometer	MW 460	Plugged	26-Aug-2009	<a href="#">PDF</a>
Sec. 4 NW	KDHE	20.28 ft.	10.74 ft.		Monitoring well/observation/piezometer	MW 1	Plugged	12-Oct-2009	<a href="#">PDF</a>

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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NW SE								
Sec. 4 SE NW SE	El Paso Merchant Energy - Petroleum Co	12.18 ft.		Monitoring well/observation/piezometer	41	Plugged	24-Aug- 2009	PDF
Sec. 4 NW NW SE	KDHE	18.92 ft.	11.11 ft.	Monitoring well/observation/piezometer	MW 4	Plugged	12-Oct- 2009	PDF
Sec. 4 SE NW NW	Milton Glickman	15.09 ft.	14.4 ft.	Monitoring well/observation/piezometer	MW 3B	Plugged	05-Feb- 2004	Scan
Sec. 4 SE NW NW	Milton Glickman	15.5 ft.		Monitoring well/observation/piezometer	MW- 3B	Constructed	12-Nov- 2002	Scan
Sec. 4 SE NW NW	Milton Glickman	18 ft.		Monitoring well/observation/piezometer	MW 3	Plugged	02-Oct- 2002	Scan
Sec. 4 SE NW NW	Milton Glickman	16 ft.		Monitoring well/observation/piezometer	MW- 2B	Constructed	12-Nov- 2002	Scan
Sec. 4 SE NW NW	Milton Glickman	18 ft.		Monitoring well/observation/piezometer	MW 2	Plugged	02-Oct- 2002	Scan
Sec. 4 NE NE SE	Safety Kleen	25 ft.		Monitoring well/observation/piezometer	MW- 10S	Constructed	12-Dec- 2001	Scan
Sec. 4 SE NE SE	Safety Kleen	28 ft.		Monitoring well/observation/piezometer	MW- 11S	Constructed	12-Dec- 2001	Scan
Sec. 4 NW	Safety Kleen	35 ft.		Monitoring well/observation/piezometer	MW- 4D	Constructed	12-Dec- 2001	Scan

[http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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NE SE								
Sec. 4 NE SW	Safety-Kleen	20.3 ft.		Monitoring well/observation/piezometer			Constructed	22-Aug- 2002
Sec. 4 NW NE SE	Safety-Kleen, Inc.	37.5 ft.		Monitoring well/observation/piezometer			Constructed	26-Oct- 2000
Sec. 4 NW NE SE	Safety-Kleen, Inc.	24 ft.		Monitoring well/observation/piezometer			Constructed	26-Oct- 2000
Sec. 4 NW NE SE	Safety-Kleen, Inc.	22 ft.		Monitoring well/observation/piezometer			Constructed	26-Oct- 2000
Sec. 4 NW NE SE	Safety-Kleen, Inc.	40 ft.		Monitoring well/observation/piezometer			Constructed	26-Oct- 2000
Sec. 4 NW NE SE	Safety-Kleen, Inc.	25 ft.		Monitoring well/observation/piezometer			Constructed	26-Oct- 2000
Sec. 4 NW NE SE	Safety-Kleen, Inc.	38 ft.		Monitoring well/observation/piezometer			Constructed	26-Oct- 2000
Sec. 4 NW NE SE	Safety-Kleen, Inc.	26 ft.		Monitoring well/observation/piezometer			Constructed	26-Oct- 2000
Sec. 4 NE NE SE	Safety-Kleen, Inc.	27 ft.		Monitoring well/observation/piezometer			Constructed	26-Oct- 2000
Sec. 4 NE NE SE	Safety-Kleen, Inc.	39 ft.		Monitoring well/observation/piezometer			Constructed	26-Oct- 2000

[http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

## KGS-Water Wells Query Answer-Township: 27S, Range: 1E, Section: 4

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SE								
Sec.								
4								
NE NE SE	Safety-Kleen, Inc.	27 ft.		Monitoring well/observation/piezometer		Constructed	26-Oct- 2000	Scan
NW NE SE	Safety-Kleen, Inc.	31 ft.	13.7 ft.	Monitoring well/observation/piezometer	UPRR- 3	Plugged	25-Oct- 2000	Scan
Sec. 4 NE NE SE	Safety-Kleen, Inc.	16 ft.		Monitoring well/observation/piezometer	UPRR- 2	Plugged	25-Oct- 2000	Scan
Sec. 4 NE NE SE	Safety-Kleen, Inc.	24.7 ft.	16.89 ft.	Monitoring well/observation/piezometer	UPRR- 1	Plugged	25-Oct- 2000	Scan
Sec. 4 NW NW SE	City of Wichita	43.7 ft.		Monitoring well/observation/piezometer		Constructed	26-Jan- 2001	Scan
Sec. 4 NW SE SW	City of Wichita	20 ft.		Monitoring well/observation/piezometer	WNC- 37SA	Constructed	21-Feb- 2001	Scan
Sec. 4 SE SW NW	City of Wichita	45.3 ft.		Monitoring well/observation/piezometer	WNC- 16D	Constructed	23-Jan- 2001	Scan
Sec. 4 SE NW NW	City of Wichita	45.9 ft.		Monitoring well/observation/piezometer	WNC- 05D	Constructed	07-Feb- 2001	Scan
Sec. 4 NW SE SW	City of Wichita	21.3 ft.		Monitoring well/observation/piezometer	NWL- 01S	Constructed	12-Feb- 2001	Scan
Sec. 4 NW SE	City of Wichita	42.4 ft.		Monitoring well/observation/piezometer	NWL- 01D	Constructed	12-Feb- 2001	Scan

[http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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SW								
Sec.								
4								
NW NW SE	City of Wichita	20.3 ft.		Monitoring well/observation/piezometer	NMW- 47S	Constructed	12-Jan- 2001	Scan
Sec. 4 NW NW SE	City of Wichita	38.4 ft.		Monitoring well/observation/piezometer	NMW- 47D	Constructed	12-Jan- 2001	Scan

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Kansas Geological Survey

Comments to webadmin@kgs.ku.edu

URL=<http://www.kgs.ku.edu/Magellan/WaterWell/index.html>

Display Programs Updated July 29, 2004

Data added continuously.

[http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?f_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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**KGS**  
Hydrology

Water Well  
Database  
Query

Township: 27S, Range: 1E, Section: 4  
Select location of well to view details.  
Click on column heading to sort.

Save Data  
to FileMap Wells  
in This Area

517 records. Only 50 records displayed at a time--sort will affect ALL records. (Sort on Well Use is NOT alphabetical--wells are grouped by use code.)

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T-R-S	Owner	Well Depth Ascend./Desc.	Static Water Level Ascend./Desc.	Est. Yield Ascend./Desc.	Well Use	Other ID	Action Taken	Completion Date Ascend./Desc.	Scan?
Sec. 4 NW NW NW	City of Wichita	20 ft.			Monitoring well/observation/piezometer	MNW-34S	Constructed	06-Feb-2001	Scan
Sec. 4 NW NW NW	City of Wichita	44.6 ft.			Monitoring well/observation/piezometer	MNW-34D	Constructed	06-Feb-2001	Scan
Sec. 4 SW NW NE	City of Wichita	20.4 ft.			Monitoring well/observation/piezometer	MNW-05S	Constructed	13-Feb-2001	Scan
Sec. 4 SW NW NE	City of Wichita	43.5 ft.			Monitoring well/observation/piezometer	MNW-05D	Constructed	13-Feb-2001	Scan
Sec. 4 SW NE SW	City of Wichita	19.5 ft.			Monitoring well/observation/piezometer	NMW-04S	Constructed	14-Mar-2001	Scan
Sec. 4 SW NE SW	City of Wichita	40.5 ft.			Monitoring well/observation/piezometer	NMW-04D	Constructed	14-Mar-2001	Scan
Sec. 4 SE SE NE	City of Wichita	23.5 ft.			Monitoring well/observation/piezometer	NMW-035	Constructed	22-Jan-2001	Scan
Sec. 4 SE SE NE	City of Wichita	35.7 ft.			Monitoring well/observation/piezometer	NMW-03D	Constructed	22-Jan-2001	Scan
Sec. 4 SE SW SE	Farmland Industries Inc.	24 ft.			Monitoring well/observation/piezometer	MW 4	Constructed	13-Nov-1999	Scan
Sec. 4 SE SW SE	Farmland Industries Inc.	45 ft.			Monitoring well/observation/piezometer	MW-2D	Constructed	13-Nov-1999	Scan
Sec. 4 SE SW SE	Farmland Industries Inc.	24 ft.			Monitoring well/observation/piezometer	MW-2S	Constructed	13-Nov-1999	Scan
Sec. 4 SF SW SE	Farmland Industries Inc.	25 ft.			Monitoring well/observation/piezometer	MW-1S	Constructed	12-Nov-1999	Scan
Sec. 4 SF SW SE	Farmland Industries Inc.	42 ft.			Monitoring well/observation/piezometer	MW-1D	Constructed	12-Nov-1999	Scan
Sec. 4 SE SW SE	Farmland Industries Inc.	24 ft.			Monitoring well/observation/piezometer	MW 3	Constructed	13-Nov-1999	Scan
Sec. 4 SW SW NE	Western Resources	20 ft.	11.59 ft.		Monitoring well/observation/piezometer	MW 13	Constructed	18-Feb-1999	Scan
Sec. 4 SW SW	Western Resources	20 ft.	12.49		Monitoring		Constructed	18-Feb-	Scan

[http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2 dispTRS?\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f...](http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2 dispTRS?_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f...) 3/10/2010

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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NE	Incorporated	ft.	well/observation/piezometer		1999
Sec. 4 SW SW NE	Western Resources	20 ft.	11.31 ft.	Monitoring well/observation/piezometer	Constructed 18-Feb-1999 Scan
Sec. 4 NENWNE	F & E WHOLESALE	17 ft.	11.92 ft.	Monitoring well/observation/piezometer	Constructed 16-Jul-1996
Sec. 4 NENWNE	F & E WHOLESALE	17 ft.	11.01 ft.	Monitoring well/observation/piezometer	Constructed 16-Jul-1996
Sec. 4 SE SW SE	El Paso Merchant Energy	25.2 ft.		Monitoring well/observation/piezometer	PZ 45 Constructed 13-Dec-2007 PDF
Sec. 4 SE SW SE	El Paso Merchant Energy	24.3 ft.		Monitoring well/observation/piezometer	PZ 44 Constructed 10-Dec-2007 PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25.6 ft.		Monitoring well/observation/piezometer	PZ 49 Constructed 13-Dec-2007 PDF
Sec. 4 SE SW SE	El Paso Merchant Energy	24.7 ft.		Monitoring well/observation/piezometer	PZ 43 Constructed 11-Dec-2007 PDF
Sec. 4 SE SE SE	El Paso Merchant Energy-Petroleum Company	25 ft.		Monitoring well/observation/piezometer	PZ 56 Constructed 25-Apr-2008 PDF
Sec. 4 SE SE SE	El Paso Merchant Energy-Petroleum Company	25 ft.		Monitoring well/observation/piezometer	PZ 51 Constructed 22-Apr-2008 PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25.3 ft.		Monitoring well/observation/piezometer	PZ 50 Constructed 13-Dec-2007 PDF
Sec. 4 SE SE SE	El Paso Merchant Energy	29 ft.		Monitoring well/observation/piezometer	MW 40 R Constructed 25-Oct-2007 PDF
Sec. 4 SE SW SE	El Paso Merchant Energy	25.1 ft.		Monitoring well/observation/piezometer	PZ 48 Constructed 13-Dec-2007 PDF
Sec. 4 SW SE SE	El Paso Merchant Energy-Petroleum Company	25 ft.		Monitoring well/observation/piezometer	PZ 57 Constructed 22-Apr-2008 PDF
Sec. 4 SE SW SE	El Paso Merchant Energy	25.2 ft.		Monitoring well/observation/piezometer	PZ 46 Constructed 13-Dec-2007 PDF
Sec. 4 SE SW SE	El Paso Merchant Energy	24.9 ft.		Monitoring well/observation/piezometer	PZ 42 Constructed 11-Dec-2007 PDF
Sec. 4	El Paso Merchant	25.3 ft.		Monitoring	PZ 41 Constructed 11-Dec- PDF

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## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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SE SW SE	Energy			well/observation/piezometer		2007	
Sec. 4 SE SW SE	El Paso Merchant Energy	25.3 ft.		Monitoring well/observation/piezometer	PZ 40	Constructed	12-Dec-2007
Sec. 4 SW SE SE	El Paso Merchant Energy-Petroleum Company	25 ft.		Monitoring well/observation/piezometer	PZ 58	Constructed	23-Apr-2008
Sec. 4 SE SW SE	El Paso Merchant Energy	25.2 ft.		Monitoring well/observation/piezometer	PZ 47	Constructed	13-Dec-2007
Sec. 4 NE SW NW	Kansas Metals/Efflandt, Chuck	17 ft.	12.95 ft.	Monitoring well/observation/piezometer	MW 5R	Constructed	04-Oct-2004
Sec. 4 SE NW NW	Kansas Metals/Efflandt, Chuck	17 ft.	14.29 ft.	Monitoring well/observation/piezometer	MW 4R	Constructed	04-Oct-2004
Sec. 4 NW NW SE	Wichita Elevator, LLC	13 ft.		Monitoring well/observation/piezometer		Constructed	17-Nov-2004
Sec. 4 SW SE NE	Clean Harbors	39 ft.		Monitoring well/observation/piezometer	SK 9D	Constructed	19-Oct-2004
Sec. 4 SW SE NE	Clean Harbors	39 ft.		Monitoring well/observation/piezometer	SK 7D	Constructed	19-Oct-2004
Sec. 4 SE SE NE	Clean Harbors	36.5 ft.		Monitoring well/observation/piezometer	SK 8D	Constructed	19-Oct-2004
Sec. 4 SE NW NW	Kansas Metals/Efflandt, Chuck	17 ft.	14.74 ft.	Monitoring well/observation/piezometer	MW 1R	Constructed	04-Oct-2004
Sec. 4 SW SW NE	City of Wichita	20 ft.	12.7 ft.	Monitoring well/observation/piezometer	NWL 18S	Constructed	14-Jun-2004
Sec. 4 NE NW NW	City of Wichita	20.2 ft.	13.2 ft.	Monitoring well/observation/piezometer	NWL 15S	Constructed	14-Jun-2004
Sec. 4 NW SW NE	City of Wichita	20.2 ft.	12.6 ft.	Monitoring well/observation/piezometer	NWL 17S	Constructed	14-Jun-2004
Sec. 4 SE NE SE	City of Wichita	18 ft.	10.8 ft.	Monitoring well/observation/piezometer	NWL 19S	Constructed	14-Jun-2004
Sec. 4 SE NW NW	Glickman Metal Recycling LLC	19 ft.	12.49 ft.	Monitoring well/observation/piezometer	MW 3B	Constructed	18-May-2004
Sec. 4 NW SW NE	City of Wichita	20 ft.	12.8 ft.	Monitoring well/observation/piezometer	NWL 16S	Constructed	14-Jun-2004
Sec. 4 NE SE SE	City of Wichita	20 ft.	13.6 ft.	Monitoring well/observation/piezometer	NWL 21S	Constructed	13-Jun-2004

[http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/www5.wwc5d2.dispTRS?_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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Sec. 4 NE SW SE	Derby Refining Company	20 ft.	12 ft.	Monitoring well/observation/piezometer	MW-42	Constructed	09-Apr-1984	Scan
View page: 1    2    3    4    5    6    7    8    9    10    Next >								

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Display Programs Updated July 29, 2004  
Data added continuously.

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KGS Hydrology	Water Well Database Query	Township: 27S, Range: 1E, Section: 4 Select location of well to view details. Click on column heading to sort.	Save Data to file	Map Wells in This Area
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517 records. Only 50 records displayed at a time—sort will affect ALL records. (Sort on Well Use is NOT alphabetical—wells are grouped by use code.)

View page: 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Next >

T-R-S	Owner	Well Depth Ascend. Desc.	Static Water Level Ascend. Desc.	Est. Yield Ascend. Desc.	Well Use	Other ID	Action Taken	Completion Date Ascend. Desc.	Scan?
Sec. 4 NE NW NE	F and E Wholesale Food Services	25 ft.			Monitoring well/observation/piezometer		Plugged	29-Oct-2003	Scan
Sec. 4 NE NW NE	F and E Wholesale Food Services	17 ft.			Monitoring well/observation/piezometer		Plugged	29-Oct-2003	Scan
Sec. 4 NE NW NE	F and E Wholesale Food Services	17 ft.			Monitoring well/observation/piezometer		Plugged	29-Oct-2003	Scan
Sec. 4 NE NE NE	AtoFina Petrochemicals, Inc.	25 ft.			Monitoring well/observation/piezometer	MW-33	Constructed	08-Apr-2003	Scan
Sec. 4 NE NE NE	AtoFina Petrochemicals, Inc.	25 ft.			Monitoring well/observation/piezometer	MW-32	Constructed	08-Apr-2003	Scan
Sec. 4 SE SW NE	UPPR/ Wichita Fueling Facility	30 ft.	19.62 ft.		Monitoring well/observation/piezometer	MW 19	Constructed	27-Feb-2002	Scan
Sec. 4 SE SW NE	UPPR/Wichita Fueling Facility	30 ft.	18.4 ft.		Monitoring well/observation/piezometer	MW-22	Constructed	28-Feb-2002	Scan
Sec. 4 SE SW NE	UPPR/Wichita Fueling Facility	27.5 ft.	17.6 ft.		Monitoring well/observation/piezometer	MW-21	Constructed	28-Feb-2002	Scan
Sec. 4 SE SW NE	UPPR - Wichita Fueling Facility	27 ft.	17.6 ft.		Monitoring well/observation/piezometer	MW 20	Constructed	27-Feb-2002	Scan
Sec. 4 SE SE SE	El Paso Energy	30 ft.	15.5 ft.		Monitoring well/observation/piezometer	MW 8	Plugged	24-Jan-2002	Scan
Sec. 4 SW SE NE	City of Wichita	38 ft.			Monitoring well/observation/piezometer	WNC-31D	Constructed	03-Jul-2001	Scan
Sec. 4 SW SE NE	City of Wichita	40 ft.			Monitoring well/observation/piezometer	WNC-32D	Constructed	02-Jul-2001	Scan
Sec. 4 SW SW SW	City of Wichita	20 ft.			Monitoring well/observation/piezometer	NMW-48S	Constructed	06-Jul-2001	Scan
Sec. 4 NE SW SE	City of Wichita	32 ft.			Monitoring well/observation/piezometer	NMW-45D	Constructed	05-Jul-2001	Scan
Sec. 4 SE NE SE	City of Wichita	37.7 ft.			Monitoring well/observation/piezometer	NMW-44D	Constructed	05-Jul-2001	Scan
Sec. 4 NW SW SE	City of Wichita	39 ft.			Monitoring well/observation/piezometer	NMW-43D	Constructed	05-Jul-2001	Scan
Sec. 4 NW NF SF	City of Wichita	19 ft.			Monitoring well/observation/piezometer	NMW-42S	Constructed	05-Jul-2001	Scan

Sec. 4 NW NE SE	City of Wichita	35 ft.		Monitoring well/observation/piezometer	NMW-42D	Constructed	05-Jul-2001	Scan
Sec. 4 SE SE NE	City of Wichita	40 ft.		Monitoring well/observation/piezometer	NMW-38D	Constructed	06-Jul-2001	Scan
Sec. 4 SE SE NE	City of Wichita	37.5 ft.		Monitoring well/observation/piezometer	NMW-37D	Constructed	03-Jul-2001	Scan
Sec. 4 NE SE NE	City of Wichita	38 ft.		Monitoring well/observation/piezometer	NMW-36D	Constructed	06-Jul-2001	Scan
Sec. 4 SW SW SW	City of Wichita	42.5 ft.		Monitoring well/observation/piezometer	NMW-48D	Constructed	06-Jul-2001	Scan
Sec. 4 SE NW SE	Coastal Refining & Marketing, Inc.	32 ft.	13.3 ft.	Monitoring well/observation/piezometer	MW 290	Plugged	16-May-2000	Scan
Sec. 4 NWSESW	WEBB ROAD DEVEL	40 ft.	0 ft.	Monitoring well/observation/piezometer		Constructed	16-Dec-1997	
Sec. 4 SWNW NW	GLICKMAN	18 ft.	12.23 ft.	Monitoring well/observation/piezometer		Constructed	30-Oct-1995	
Sec. 4 NWNWSE	COASTAL REFINER	30 ft.	15 ft.	Monitoring well/observation/piezometer		Constructed	12-May-1995	
Sec. 4 NENWSE	COASTAL REFINER	30 ft.	15 ft.	Monitoring well/observation/piezometer		Constructed	12-May-1995	
Sec. 4 SENWSE	COASTAL REFINER	29 ft.	13 ft.	Monitoring well/observation/piezometer		Constructed	12-May-1995	
Sec. 4 NENESE	COASTAL REFINER	29 ft.	15 ft.	Monitoring well/observation/piezometer		Constructed	11-May-1995	
Sec. 4 NWSWSF	COASTAL REFINER	30 ft.	15 ft.	Monitoring well/observation/piezometer		Constructed	15-May-1995	
Sec. 4 SWNWSE	COASTAL REFINER	30 ft.	15 ft.	Monitoring well/observation/piezometer		Constructed	15-May-1995	
Sec. 4 NESWSW	OHSE MEATS	20 ft.	0 ft.	Monitoring well/observation/piezometer		Constructed	24-Aug-1994	
Sec. 4 NESWSW	OHSE MEATS	22 ft.	0 ft.	Monitoring well/observation/piezometer		Constructed	23-Aug-1994	
Sec. 4 NESWSW	OHSE MEATS	20 ft.	0 ft.	Monitoring well/observation/piezometer		Constructed	24-Aug-1994	
Sec. 4 NESWSW	OHSE MEATS	20 ft.	0 ft.	Monitoring well/observation/piezometer		Constructed	24-Aug-1994	
Sec. 4 NESWSW	OHSE MEATS	20 ft.	0 ft.	Monitoring well/observation/piezometer		Constructed	24-Aug-1994	
Sec. 4 NESWSW	OHSE MEATS	20 ft.	0 ft.	Monitoring well/observation/piezometer		Constructed	24-Aug-1994	
Sec. 4 NESWSW	OHSE MEATS	20 ft.	0 ft.	Monitoring well/observation/piezometer		Constructed	24-Aug-1994	
Sec. 4 NESWSW	OHSE MEATS	20 ft.	0 ft.	Monitoring well/observation/piezometer		Constructed	24-Aug-1994	
Sec. 4 SWNWSE	DERBY REFINING	20 ft.	0 ft.	Monitoring well/observation/piezometer		Constructed	09-Apr-1984	
Sec. 4 SENWSE	DERBY REFINING	20 ft.	0 ft.	Monitoring well/observation/piezometer		Constructed	20-Apr-1984	
Sec. 4 SENESE		21 ft.	17 ft.	Monitoring well/observation/piezometer		Constructed	26-Nov-1980	
Sec. 4		20 ft.	11 ft.	Monitoring		Constructed	28-Feb-	

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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SE NW SE				well/observation/piezometer		1983	
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.		Monitoring well/observation/piezometer	PZ 15	Constructed	16-Mar-2007
Sec. 4 SW SE SE	El Paso Merchant Energy	23 ft.		Monitoring well/observation/piezometer	PZ 9	Constructed	16-Mar-2007
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.		Monitoring well/observation/piezometer	PZ 21	Constructed	16-Mar-2007
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.		Monitoring well/observation/piezometer	PZ 27	Constructed	16-Mar-2007
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.		Monitoring well/observation/piezometer	PZ 22	Constructed	16-Mar-2007
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.		Monitoring well/observation/piezometer	PZ 20	Constructed	16-Mar-2007
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.		Monitoring well/observation/piezometer	PZ 32	Constructed	16-Mar-2007
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.		Monitoring well/observation/piezometer	PZ 29	Constructed	16-Mar-2007

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Display Programs Updated July 29, 2004  
Data added continuously.

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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KGS	Water Well Database Query	Township: 27S, Range: 1E, Section: 4 Select location of well to view details. Click on column heading to sort.
Hydrology		Gave Data to File
		Map Wells in This Area

517 records. Only 50 records displayed at a time--sort will affect ALL records. (Sort on Well Use is NOT alphabetical--wells are grouped by use code.)

View page: 1    2    3    4    5    6    7    8    9    10    Next >									
T-R-S	Owner	Well Depth Ascend. Desc.	Static Water Level Ascend. Desc.	Est. Yield Ascend. Desc.	Well Use	Other ID	Action Taken	Completion Date Ascend. Desc.	Scan?
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.			Monitoring well/observation/piezometer	PZ 25	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	28 ft.			Monitoring well/observation/piezometer	MW 390 R	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.			Monitoring well/observation/piezometer	PZ 16	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.			Monitoring well/observation/piezometer	PZ 28	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.			Monitoring well/observation/piezometer	PZ 26	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.			Monitoring well/observation/piezometer	PZ 23	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.			Monitoring well/observation/piezometer	PZ 7	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.			Monitoring well/observation/piezometer	PZ 13	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	22 ft.			Monitoring well/observation/piezometer	PZ 8	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	28 ft.			Monitoring well/observation/piezometer	PZ 10	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.			Monitoring well/observation/piezometer	PZ 31	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.			Monitoring well/observation/piezometer	PZ 24	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant	25 ft.			Monitoring well/observation/piezometer	PZ 14	Constructed	16-Mar-2007	PDF

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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SE	Energy							
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.		Monitoring well/observation/piezometer	PZ 30	Constructed	16-Mar- 2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.		Monitoring well/observation/piezometer	PZ 12	Constructed	16-Mar- 2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	27 ft.		Monitoring well/observation/piezometer	PZ 19	Constructed	16-Mar- 2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	25 ft.		Monitoring well/observation/piezometer	PZ 18	Constructed	16-Mar- 2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	24 ft.		Monitoring well/observation/piezometer	PZ 17	Constructed	16-Mar- 2007	PDF
Sec. 4 NE NW NE	Universal Motor Fuels, Inc	21.14 ft.		Monitoring well/observation/piezometer	MW 6	Constructed	29-Jun- 2009	PDF
Sec. 4 NE NW NE	Universal Motor Fuels, Inc	17.12 ft.		Monitoring well/observation/piezometer	MW 5	Plugged	29-Jun- 2009	PDF
Sec. 4 NE NW NE	Universal Motor Fuels, Inc	27.85 ft.		Monitoring well/observation/piezometer	MW 1	Plugged	29-Jun- 2009	PDF
Sec. 4 NE NW NE	F E Wholesale Food Services	17 ft.		Monitoring well/observation/piezometer	FEMW 5	Constructed	29-Jun- 2009	PDF
Sec. 4 NE NW NE	Universal Motor Fuels, Inc	22.65 ft.		Monitoring well/observation/piezometer	MW 4	Plugged	29-Jun- 2009	PDF
Sec. 4 NE NW NE	Universal Motor Fuels, Inc	21.5 ft.		Monitoring well/observation/piezometer	MW 3	Plugged	29-Jun- 2009	PDF
Sec. 4 NE NW NE	Universal Motor Fuels, Inc	25.8 ft.		Monitoring well/observation/piezometer	MW 2	Plugged	29-Jun- 2009	PDF
Sec. 4 NE NW NE	F E Wholesale Food Services	13.35 ft.		Monitoring well/observation/piezometer	FEMW 9	Constructed	29-Jun- 2009	PDF
Sec. 4 NE NW NE	F E Wholesale Food Services	17.65 ft.		Monitoring well/observation/piezometer	FEMW 2	Constructed	29-Jun- 2009	PDF
Sec. 4 SW SE NE	City of Wichita	40 ft.		Monitoring well/observation/piezometer	WNC 32 DR	Constructed	28-Nov- 2006	PDF
	El Paso							

[http://abyss.kgs.ku.edu/pls/abyss/www5.www5d2.dispTRS?f\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/www5.www5d2.dispTRS?f_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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Sec. 4 SE SW SE	Merchant Energy- Petroleum Co.	25.5 ft.	14 ft.		Monitoring well/observation/piezometer	MW 04 A	Plugged	15-Dec- 2006	PDF
Sec. 4 SW SE NE	City of Wichita	39.5 ft.	17 ft.		Monitoring well/observation/piezometer	WNC 32 D	Plugged	28-Nov- 2006	PDF
Sec. 4 SW SE SE	El Paso Merchant	34.5 ft.	19 ft.		Monitoring well/observation/piezometer	MW 40	Plugged	19-Dec- 2006	PDF
Sec. 4 SW NE NB	Universal Lubricants LLC	16 ft.	14 ft.		Monitoring well/observation/piezometer	MW 4	Plugged	02-Jul- 2008	PDF
Sec. 4 SW NE NE	Universal Lubricants LLC	19 ft.	14 ft.		Monitoring well/observation/piezometer	MW 3	Plugged	02-Jul- 2008	PDF
Sec. 4 SW NE NE	Universal Lubricants LLC	19 ft.	14 ft.		Monitoring well/observation/piezometer	MW 2	Plugged	02-Jul- 2008	PDF
Sec. 4 SW NE NE	Universal Lubricants LLC	18 ft.	14 ft.		Monitoring well/observation/piezometer	MW 1	Plugged	02-Jul- 2008	PDF
Sec. 4 NE SE SW	FI Kansas Remediation Trust	25 ft.	16.3 ft.		Monitoring well/observation/piezometer	MW 5S	Constructed	18-Oct- 2005	PDF
Sec. 4 NE SE SW	FI Kansas Remediation Trust	42 ft.	16.6 ft.		Monitoring well/observation/piezometer	MW 5D	Constructed	18-Oct- 2005	PDF
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	33.1 ft.	12.6 ft.		Monitoring well/observation/piezometer	MW 480	Plugged	14-Dec- 2005	PDF
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	37.5 ft.	14.4 ft.		Monitoring well/observation/piezometer	MW 410	Plugged	14-Dec- 2005	PDF
Sec. 4 NE SE SW	FI Kansas Remediation Trust	24.5 ft.	16.35 ft.		Monitoring well/observation/piezometer	MW 6S	Constructed	18-Oct- 2005	PDF
Sec. 4 NE SE SW	FI Kansas Remediation Trust	41.5 ft.	16.3 ft.		Monitoring well/observation/piezometer	MW 6D	Constructed	19-Oct- 2005	PDF
Sec. 4 SE SW SE	El Paso Merchant Energy	24.8 ft.			Monitoring well/observation/piezometer	PZ 39	Constructed	12-Dec- 2007	PDF
Sec. 4 SE SW SE	El Paso Merchant Energy	25 ft.			Monitoring well/observation/piezometer	PZ 37	Constructed	12-Dec- 2007	PDF

[http://abyss.kgs.ku.edu/pls/abyss/www5.www5d2.dispTRS?f\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/www5.www5d2.dispTRS?f_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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Sec. 4 SE SE SE	El Paso Merchant Energy-Petroleum Company	25 ft.			Monitoring well/observation/piezometer	PZ 52	Constructed	25-Apr-2008	PDF
Sec. 4 SE SW SE	El Paso Merchant Energy	25.5 ft.			Monitoring well/observation/piezometer	PZ 38	Constructed	12-Dec-2007	PDF
Sec. 4 SWSESE		28 ft.	12 ft.		Monitoring well/observation/piezometer		Constructed	20-Mar-1981	
Sec. 4 SENWSE		20 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	17-Feb-1983	
Sec. 4 SWSESE		22 ft.	21 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1981	
Sec. 4 SENWSE		20 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	17-Feb-1983	
Sec. 4 SWSESE		16 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1980	

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Display Programs Updated July 29, 2004

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## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

KGS	Water Well Database Query	Gave Data to File	Map Wells in This Area
Hydrology	Select location of well to view details. Click on column heading to sort.		

517 records. Only 50 records displayed at a time--sort will affect ALL records. (Sort on Well Use is NOT alphabetical--wells are grouped by use code.)

View page: 1   2   3   4   5   6   7   8   9   10   Next >									
T-R-S	Owner	Well Depth Ascend. Desc.	Static Water Level Ascend. Desc.	Est. Yield Ascend. Desc.	Well Use	Other ID	Action Taken	Completion Date Ascend. Desc.	Scan?
Sec. 4 SE SW SE		22 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1981	
Sec. 4 SENWSE		20 ft.	10 ft.		Monitoring well/observation/piezometer		Constructed	17-Feb-1983	
Sec. 4 SENWSE		20 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	28-Feb-1983	
Sec. 4 SRSWSE		28 ft.	12 ft.		Monitoring well/observation/piezometer		Constructed	23-Apr-1981	
Sec. 4 SWSWSE		30 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1980	
Sec. 4 SWSWSE		28 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	23-Apr-1981	
Sec. 4 SESWSSE		29 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	05-Jun-1981	
Sec. 4 SWSWSE		21 ft.	12 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1980	
Sec. 4 SWSWSE		21 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1980	
Sec. 4 SESWSSE		30 ft.	15 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1981	
Sec. 4 SESWSSE		22 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1981	
Sec. 4 NENESE	CONSERVATION	38 ft.	0 ft.		Monitoring well/observation/piezometer		Constructed	21-Apr-1987	
Sec. 4 NENESE	UNION PACIFIC	29 ft.	17 ft.		Monitoring well/observation/piezometer		Constructed	18-Jun-1987	
Sec. 4 NENESE	UNION PACIFIC	25 ft.	16 ft.		Monitoring well/observation/piezometer		Constructed	18-Jun-1987	
Sec. 4 NWSWNE	Kansas Dept. of Health and Environment	26 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	25-Apr-1986	
Sec. 4 SWNWNE	Kansas Dept. of Health and Environment	27 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	25-Apr-1986	
Sec. 4 SWNENW	Kansas Dept. of Health and Environment	2746 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	24-Apr-1986	
Sec. 4 NWNENW	Kansas Dept. of Health and Environment	17 ft.	12 ft.		Monitoring well/observation/piezometer		Constructed	23-Apr-1986	

Sec. 4 NENENW	EXCEL CORP	13 ft.	9 ft.		Monitoring well/observation/piezometer		Constructed	24-Sep-1985	
Sec. 4 NESWNW	Kansas Dept. of Health and Environment	13 ft.	9 ft.		Monitoring well/observation/piezometer		Constructed	19-Sep-1985	
Sec. 4 NFSWSE	DERBY REFINING	26 ft.	15 ft.		Monitoring well/observation/piezometer		Constructed	06-Oct-1988	
Sec. 4 SENWSW	THIES COMPANY	50 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	24-Feb-1988	
Sec. 4 SWSESW	THIES COMPANY	25 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	24-Feb-1988	
Sec. 4 NW NE	Union Carbide Corp.	16.2 ft.			Monitoring well/observation/piezometer	MW 7	Plugged	15-Feb-2006	PDF
Sec. 4 NE SW SE	El Paso Corp	32.5 ft.			Monitoring well/observation/piezometer	MW 310	Plugged	20-May-2005	PDF
Sec. 4 NW NE SE	Clean Harbors	37.5 ft.			Monitoring well/observation/piezometer	SK 12D	Constructed	31-Jan-2005	PDF
Sec. 4 NW NE SE	Clean Harbors	21 ft.			Monitoring well/observation/piezometer	SK 12S	Constructed	31-Jan-2005	PDF
Sec. 4 SE SW SE		25 ft.			Monitoring well/observation/piezometer	well 33	Plugged	20-May-2005	PDF
Sec. 4 SE SW SE	El Paso Corp	28 ft.	15.3 ft.		Monitoring well/observation/piezometer	well 18	Plugged	21-Feb-2005	PDF
Sec. 4 NE SW SE	El Paso Corp	20 ft.	10.72 ft.		Monitoring well/observation/piezometer	well 34	Plugged	21-Feb-2005	PDF
Sec. 4 NE SW SE	El Paso Corp	37 ft.			Monitoring well/observation/piezometer	MW 240	Plugged	20-May-2005	PDF
Sec. 4 NW NW SE	Kansas Dept. of Health and Environment	19 ft.	13.26 ft.		Monitoring well/observation/piezometer	MW 5	Constructed	21-Dec-2007	PDF
Sec. 4 NW NW SE	Kansas Dept. of Health and Environment	19 ft.	12.38 ft.		Monitoring well/observation/piezometer	MW 4	Constructed	21-Dec-2007	PDF
Sec. 4 NW NW SE	Kansas Dept. of Health and Environment	21 ft.	11.61 ft.		Monitoring well/observation/piezometer	MW 1	Constructed	21-Dec-2007	PDF
Sec. 4 SW SW SE	El Paso Energy Petroleum Co.	29.58 ft.	9.66 ft.		Monitoring well/observation/piezometer	RW 37	Plugged	20-Sep-2007	PDF
Sec. 4 NENWNE	F & E WHOLESALE	17 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	16-Jul-1996	
Sec. 4 NENWNE	F & E WHOLESALE	17 ft.	10.83 ft.		Monitoring well/observation/piezometer		Constructed	15-Jul-1996	
Sec. 4 NENWNE	F & E WHOLESALE	18 ft.	10.54 ft.		Monitoring well/observation/piezometer		Constructed	15-Jul-1996	
Sec. 4 NENWNE	F & E WHOLESALE	25 ft.	9.64 ft.		Monitoring well/observation/piezometer		Constructed	15-Jul-1996	
Sec. 4 SENWNW	GLICKMAN% KENNED	18 ft.	12.1 ft.		Monitoring well/observation/piezometer		Constructed	30-Oct-1995	
Sec. 4 SENWNW	GLICKMAN% KENNED	18 ft.	10.7 ft.		Monitoring well/observation/piezometer		Constructed	30-Oct-1995	
Sec. 4	GLICKMAN%				Monitoring			30-Oct-	

SENWNW	KENNED	18 ft.	11.8 ft.		Monitoring well/observation/piezometer		Constructed	1995	
Sec. 4 SENWNW	GLICKMAN% KENNED	18 ft.	11.6 ft.		Monitoring well/observation/piezometer		Constructed	30-Oct-1995	
Sec. 4 NENWNW	FERROLOY FOUNDR	21 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	27-Mar-1991	
Sec. 4 SENWNW	KANSAS METALS	21 ft.	13 ft.		Monitoring well/observation/piezometer		Constructed	27-Mar-1991	
Sec. 4 NWNWNW	GLICKMAN INC	22 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	25-Mar-1991	
Sec. 4 SWNSW	OSHE MEATS	39 ft.	15 ft.		Monitoring well/observation/piezometer		Constructed	01-May-1992	
Sec. 4 N2NESW	MARCH OIL CO	43 ft.	15 ft.		Monitoring well/observation/piezometer		Constructed	27-May-1992	
Sec. 4 N2NESW	MARCH OIL CO	25 ft.	15 ft.		Monitoring well/observation/piezometer		Constructed	27-May-1992	
Sec. 4 NENWNW	EXCEL CORP	44 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	11-Sep-1991	

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## Kansas Geological Survey

Comments to [webadmin@kgs.ku.edu](mailto:webadmin@kgs.ku.edu)URL=<http://www.kgs.ku.edu/Magellan/WaterWell/index.html>

Display Programs Updated July 29, 2004

Data added continuously.

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

Page 1 of 3

KGS	Water Well Database Query	Save Data To File	Map Wells In This Area
Hydrology	Township: 27S, Range: 1E, Section: 4 Select location of well to view details. Click on column heading to sort.		

517 records. Only 50 records displayed at a time--sort will affect ALL records. (Sort on Well Use is NOT alphabetical--wells are grouped by use code.)

View page: 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Next &gt;

T-R-S	Owner	Well Depth	Static Water Level	Est. Yield	Well Use	Other ID	Action Taken	Completion Date	Scan?
		Ascend.	Ascend.	Ascend.				Ascend.	
		Desc.	Desc.	Desc.				Desc.	
Sec. 4 SWNENW	EXCEL	48 ft.	15 ft.		Monitoring well/observation/piezometer		Constructed	10-Sep-1991	
Sec. 4 SWSESW	MARCH OIL CO	40 ft.	15 ft.		Monitoring well/observation/piezometer		Constructed	29-May-1992	
Sec. 4 SWSWSW	WNID C LEVAND T	43 ft.	16 ft.		Monitoring well/observation/piezometer		Constructed	30-Apr-1992	
Sec. 4 S2SWSW	WNID KAMEN	37 ft.	13 ft.		Monitoring well/observation/piezometer		Constructed	01-May-1992	
Sec. 4 NCSWSW	WNID OSHE MEATS	45 ft.	20 ft.		Monitoring well/observation/piezometer		Constructed	30-Apr-1992	
Sec. 4 NENWNW	COLEMAN CO	46 ft.	13 ft.		Monitoring well/observation/piezometer		Constructed	06-Aug-1992	
Sec. 4 NENESE	HRI	25 ft.	25 ft.		Monitoring well/observation/piezometer		Constructed	27-Jul-1992	
Sec. 4 NENESE	HRI	25 ft.	17 ft.		Monitoring well/observation/piezometer		Constructed	27-Jul-1992	
Sec. 4 NWNSWSW	OHSE MEATS	21 ft.	14 ft.		Monitoring well/observation/piezometer		Constructed	14-Jun-1993	
Sec. 4 SE	DERBY REFINING	19 ft.	0 ft.		Monitoring well/observation/piezometer		Constructed	23-Jan-1984	
Sec. 4 SE	DERBY REFINING	22 ft.	0 ft.		Monitoring well/observation/piezometer		Constructed	15-Mar-1984	
Sec. 4 SE	DERBY REFINING	21 ft.	0 ft.		Monitoring well/observation/piezometer		Constructed	23-Jan-1984	
Sec. 4 SE	DERBY REFINING	20 ft.	0 ft.		Monitoring well/observation/piezometer		Constructed	23-Jan-1984	
Sec. 4 NESESE		23 ft.	13 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1980	
Sec. 4 NWNESE		23 ft.	13 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1980	
Sec. 4 NWNSWS		22 ft.	16 ft.		Monitoring well/observation/piezometer		Constructed	26-Nov-1980	
Sec. 4 SENESE	DERBY REFINING	24 ft.	0 ft.		Monitoring well/observation/piezometer		Constructed	20-Apr-1984	
Sec. 4 SESWSE		23 ft.	11 ft.		Monitoring well/observation/piezometer		Constructed	23-Jul-1981	
Sec. 4 SCSENE	UNION PACIFIC R	25 ft.	16 ft.		Monitoring well/observation/piezometer		Constructed	06-Jul-1994	
Sec. 4 UNION PACIFIC					Monitoring			06-Jul-1994	

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## KGS-- Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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SWSNE	R	25 ft.	16 ft.	well/observation/piezometer	Constructed	1994
Sec. 4 SWSNE	UNION PACIFIC R	25 ft.	16 ft.	Monitoring well/observation/piezometer	Constructed	06-Jul-1994
Sec. 4 NCSENE	UNION PACIFIC R	25 ft.	17 ft.	Monitoring well/observation/piezometer	Constructed	06-Jul-1994
Sec. 4 NESENE	UNION PACIFIC R	25 ft.	16 ft.	Monitoring well/observation/piezometer	Constructed	06-Jul-1994
Sec. 4 NESENE	UNION PACIFIC R	25 ft.	17 ft.	Monitoring well/observation/piezometer	Constructed	06-Jul-1994
Sec. 4 NCSENE	UNION PACIFIC R	25 ft.	16 ft.	Monitoring well/observation/piezometer	Constructed	06-Jul-1994
Sec. 4 SENWNE	UNIVERSAL MOTOR	30 ft.	10 ft.	Monitoring well/observation/piezometer	Constructed	24-Apr-1987
Sec. 4 NENESE	CONSERVATION	43 ft.	0 ft.	Monitoring well/observation/piezometer	Constructed	20-Apr-1987
Sec. 4 NENESE	CONSERVATION	34 ft.	0 ft.	Monitoring well/observation/piezometer	Constructed	21-Apr-1987
Sec. 4 SWNWNE	VIM TRAILER	40 ft.	15 ft.	Monitoring well/observation/piezometer	Constructed	29-Sep-1988
Sec. 4 SWSESE	DERBY REFIN CO	34 ft.	19 ft.	Monitoring well/observation/piezometer	Constructed	04-Sep-1988
Sec. 4 NWSESE	DERBY REFIN CO	28 ft.	15 ft.	Monitoring well/observation/piezometer	Constructed	05-Oct-1988
Sec. 4 NESWSE	DERBY REFIN CO	26 ft.	14 ft.	Monitoring well/observation/piezometer	Constructed	06-Oct-1988
Sec. 4 SESWSE	DERBY REFIN CO	28 ft.	17 ft.	Monitoring well/observation/piezometer	Constructed	04-Sep-1988
Sec. 4 NENWNW	EXCEL CORP	24 ft.	16 ft.	Monitoring well/observation/piezometer	Constructed	16-Apr-1991
Sec. 4 SWSWNW	WNID-AT & SF	21 ft.	13 ft.	Monitoring well/observation/piezometer	Constructed	09-May-1991
Sec. 4 NWNENW	EXCEL CORP	46 ft.	13 ft.	Monitoring well/observation/piezometer	Constructed	17-Apr-1991
Sec. 4 NESWSE		37 ft.	11 ft.	Injection well/air sparge (AS)/shallow	Constructed	15-Jan-1983
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	35.1 ft.	12.4 ft.	Injection well/air sparge (AS)/shallow	I R Plugged	14-Dec-2005 PDF
Sec. 4 SW NW SE	El Paso Merchant Energy Petroleum Co.	35.9 ft.	13.2 ft.	Injection well/air sparge (AS)/shallow	I 6R Plugged	14-Dec-2005 PDF
Sec. 4 SW NW SE	El Paso Merchant Energy Petroleum Co.	35.5 ft.	13.7 ft.	Injection well/air sparge (AS)/shallow	I 8 Plugged	14-Dec-2005 PDF
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	37.2 ft.	12.4 ft.	Injection well/air sparge (AS)/shallow	I 4 Plugged	14-Dec-2005 PDF
Sec. 4 SWNESE	COASTAL REFINRY	36 ft.	14.2 ft.	Injection well/air sparge (AS)/shallow	Constructed	01-May-1995
Sec. 4 SWNESE	COASTAL REFINRY	35 ft.	15 ft.	Injection well/air sparge (AS)/shallow	Constructed	01-May-1995

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## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	36.2 ft.	12.2 ft.		Injection well/air sparge (AS)/shallow	I 2	Plugged	14-Dec- 2005	PDF
Sec. 4 SW NW SE	El Paso Merchant Energy Petroleum Co.	37.11 ft.	12.8 ft.		Injection well/air sparge (AS)/shallow	I 26	Plugged	14-Dec- 2005	PDF
Sec. 4 SW NW SE	El Paso Merchant Energy Petroleum Co.	37.4 ft.	13 ft.		Injection well/air sparge (AS)/shallow	I 25	Plugged	14-Dec- 2005	PDF
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	32.9 ft.	12.4 ft.		Injection well/air sparge (AS)/shallow	I 23	Plugged	14-Dec- 2005	PDF
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	34.3 ft.	12 ft.		Injection well/air sparge (AS)/shallow	I 22	Plugged	14-Dec- 2005	PDF
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	36.8 ft.	13.4 ft.		Injection well/air sparge (AS)/shallow	I 5R	Plugged	14-Dec- 2005	PDF
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	37.2 ft.	12.8 ft.		Injection well/air sparge (AS)/shallow	I 24	Plugged	14-Dec- 2005	PDF

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Kansas Geological Survey  
Comments to webadmin@kgs.ku.edu  
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Display Programs Updated July 29, 2004  
Data added continuously.

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

Page 1 of

KGS	Water Well Database Query	Township: 27S, Range: 1E, Section: 4 Select location of well to view details. Click on column heading to sort.	Save Data to File	Map Wells in This Area
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517 records. Only 50 records displayed at a time--sort will affect ALL records. (Sort on Well Use is NOT alphabetical--wells are grouped by use code.)

View page: 1   2   3   4   5   6   7   8   9   10   Next >									
T-R-S	Owner	Well Depth Ascend. Desc.	Static Water Level Ascend. Desc.	Est. Yield Ascend. Desc.	Well Use	Other ID	Action Taken	Completion Date Ascend. Desc.	Scan?
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	37.5 ft.	12.4 ft.		Injection well/air sparge (AS)/shallow	I 21	Plugged	14-Dec- 2005	PDF
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	32 ft.	12.3 ft.		Injection well/air sparge (AS)/shallow	I 11	Plugged	14-Dec- 2005	PDF
Sec. 4 NWSWF	COASTAL REFINER	37 ft.	12.5 ft.		Injection well/air sparge (AS)/shallow		Constructed	26-Apr- 1995	
Sec. 4 NWSWE	COASTAL REFINER	36 ft.	12.73 ft.		Injection well/air sparge (AS)/shallow		Constructed	26-Apr- 1995	
Sec. 4 SENESE	COASTAL REFINER	36 ft.	15.46 ft.		Injection well/air sparge (AS)/shallow		Constructed	26-Apr- 1995	
Sec. 4 SENESE	COASTAL REFINER	36 ft.	15 ft.		Injection well/air sparge (AS)/shallow		Constructed	26-Apr- 1995	
Sec. 4 SENWSE	COASTAL REFINER	34 ft.	13.02 ft.		Injection well/air sparge (AS)/shallow		Constructed	26-Apr- 1995	
Sec. 4 SENWSE	COASTAL REFINER	35 ft.	13.27 ft.		Injection well/air sparge (AS)/shallow		Constructed	26-Apr- 1995	
Sec. 4 SWNWSE	COASTAL REFINER	38 ft.	14 ft.		Injection well/air sparge (AS)/shallow		Constructed	25-Apr- 1995	
Sec. 4 SENWSE	COASTAL REFINER	38 ft.	14.88 ft.		Injection well/air sparge (AS)/shallow		Constructed	25-Apr- 1995	
Sec. 4 SENWSE	COASTAL REFINER	38 ft.	13.29 ft.		Injection well/air sparge (AS)/shallow		Constructed	25-Apr- 1995	
Sec. 4	COASTAL	33 ft.	12.96 ft.		Injection well/air sparge		Constructed	01-May-	

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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SE NW SE	REFINER			(AS)/shallow		1995	
Sec. 4 SENWSE	COASTAL REFINER	33 ft.	12.88 ft.	Injection well/air sparge (AS)/shallow	Constructed	01-May-1995	
Sec. 4 SWNESE	COASTAL REFINER	36 ft.	15.5 ft.	Injection well/air sparge (AS)/shallow	Constructed	24-Apr-1995	
Sec. 4 SWNESE	COASTAL REFINER	34 ft.	13.46 ft.	Injection well/air sparge (AS)/shallow	Constructed	24-Apr-1995	
Sec. 4 SENWSE	COASTAL REFINER	33 ft.	13.19 ft.	Injection well/air sparge (AS)/shallow	Constructed	24-Apr-1995	
Sec. 4 SENESE	COASTAL REFINER	35 ft.	14.25 ft.	Injection well/air sparge (AS)/shallow	Constructed	28-Apr-1995	
Sec. 4 SWNFSE	COASTAL REFINER	34 ft.	14.27 ft.	Injection well/air sparge (AS)/shallow	Constructed	28-Apr-1995	
Sec. 4 NWSWSE	COASTAL REFINER	37 ft.	13.38 ft.	Injection well/air sparge (AS)/shallow	Constructed	28-Apr-1995	
Sec. 4 NWSWSE	COASTAL REFINER	37 ft.	13.29 ft.	Injection well/air sparge (AS)/shallow	Constructed	28-Apr-1995	
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	37.3 ft.	12.4 ft.	Injection well/air sparge (AS)/shallow	I 29	Plugged	14-Dec-2005 PDF
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	38 ft.	14.8 ft.	Injection well/air sparge (AS)/shallow	I 28	Plugged	14-Dec-2005 PDF
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	32.8 ft.	13.2 ft.	Injection well/air sparge (AS)/shallow	I 12R	Plugged	14-Dec-2005 PDF
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	32 ft.	12.9 ft.	Injection well/air sparge (AS)/shallow	I 12	Plugged	14-Dec-2005 PDF
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	32.1 ft.	12.7 ft.	Injection well/air sparge (AS)/shallow	I 3Z	Plugged	14-Dec-2005 PDF
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	24.3 ft.	13.1 ft.	Injection well/air sparge (AS)/shallow	I 2R	Plugged	14-Dec-2005 PDF

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## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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Sec. 4 NE NW SE	El Paso Merchant Energy Petroleum Co.	33.5 ft.	13.4 ft.		Injection well/air sparge (AS)/shallow	I 9	Plugged	14-Dec-2005	PDF
Sec. 4 NE NW SE	El Paso Merchant Energy Petroleum Co.	30.11 ft.	14 ft.		Injection well/air sparge (AS)/shallow	I 8R	Plugged	14-Dec-2005	PDF
Sec. 4 NE NW SE	El Paso Merchant Energy Petroleum Co.	28.2 ft.	14 ft.		Injection well/air sparge (AS)/shallow	I 7R	Plugged	14-Dec-2005	PDF
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	27.4 ft.	12.7 ft.		Injection well/air sparge (AS)/shallow	I 11R	Plugged	14-Dec-2005	PDF
Sec. 4 SW NE SE	El Paso Merchant Energy Petroleum Co.	36.4 ft.	15.3 ft.		Injection well/air sparge (AS)/shallow	I 36	Plugged	14-Dec-2005	PDF
Sec. 4 SW NE SF	El Paso Merchant Energy Petroleum Co.	35.9 ft.	14.4 ft.		Injection well/air sparge (AS)/shallow	I 35	Plugged	14-Dec-2005	PDF
Sec. 4 SW NE SE	El Paso Merchant Energy Petroleum Co.	31.1 ft.	13.9 ft.		Injection well/air sparge (AS)/shallow	I 33	Plugged	14-Dec-2005	PDF
Sec. 4 SW NE SE	El Paso Merchant Energy Petroleum Co.	36.7 ft.	13.3 ft.		Injection well/air sparge (AS)/shallow	I 18	Plugged	14-Dec-2005	PDF
Sec. 4 SW NE SE	El Paso Merchant Energy Petroleum Co.	33.1 ft.	13.4 ft.		Injection well/air sparge (AS)/shallow	I 17	Plugged	14-Dec-2005	PDF
Sec. 4 SW NE SE	El Paso Merchant Energy Petroleum Co.	35.2 ft.	14.7 ft.		Injection well/air sparge (AS)/shallow	I 16	Plugged	14-Dec-2005	PDF
Sec. 4 SW NE SE	El Paso Merchant Energy Petroleum Co.	36.8 ft.	14.9 ft.		Injection well/air sparge (AS)/shallow	I 15	Plugged	14-Dec-2005	PDF
Sec. 4 SW NE SE	El Paso Merchant Energy Petroleum Co.	34.4 ft.	13.9 ft.		Injection well/air sparge (AS)/shallow	I 14	Plugged	14-Dec-2005	PDF
Sec. 4	El Paso Merchant				Injection well/air			14-Dec-	

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## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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SW NE SE	Energy Petroleum Co.	32 ft.	13.6 ft.		sparge (AS)/shallow	I 14R	Plugged	2005	<a href="#">PDF</a>
Sec. 4 SE NE SE	El Paso Merchant Energy Petroleum Co.	35.5 ft.	16.5 ft.		Injection well/air sparge (AS)/shallow	I 40	Plugged	14-Dec-2005	<a href="#">PDF</a>
Sec. 4 SE NE SE	El Paso Merchant Energy Petroleum Co.	38 ft.	14.4 ft.		Injection well/air sparge (AS)/shallow	I 39	Plugged	14-Dec-2005	<a href="#">PDF</a>
Sec. 4 SE NE SE	El Paso Merchant Energy Petroleum Co.	35.11 ft.	15.2 ft.		Injection well/air sparge (AS)/shallow	I 20	Plugged	14-Dec-2005	<a href="#">PDF</a>
Sec. 4 SE NE SE	El Paso Merchant Energy Petroleum Co.	35.9 ft.	14.4 ft.		Injection well/air sparge (AS)/shallow	I 19	Plugged	14-Dec-2005	<a href="#">PDF</a>
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	32.8 ft.	12.3 ft.		Injection well/air sparge (AS)/shallow	I 30	Plugged	14-Dec-2005	<a href="#">PDF</a>
Sec. 4 SW NE SE	El Paso Merchant Energy Petroleum Co.	38.8 ft.	14.5 ft.		Injection well/air sparge (AS)/shallow	I 34	Plugged	14-Dec-2005	<a href="#">PDF</a>
Sec. 4 SW NW SE	El Paso Merchant Energy Petroleum Co.	38.1 ft.	12.5 ft.		Injection well/air sparge (AS)/shallow	I 6	Plugged	14-Dec-2005	<a href="#">PDF</a>
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	32.6 ft.	13.2 ft.		Injection well/air sparge (AS)/shallow	I 31	Plugged	14-Dec-2005	<a href="#">PDF</a>
Sec. 4 SE NW SE	El Paso Merchant Energy Petroleum Co.	29.8 ft.	12.8 ft.		Injection well/air sparge (AS)/shallow	I 13	Plugged	14-Dec-2005	<a href="#">PDF</a>
Sec. 4 NE NW SE	El Paso Merchant Energy Petroleum Co.	35.3 ft.	13.5 ft.		Injection well/air sparge (AS)/shallow	I 10	Plugged	14-Dec-2005	<a href="#">PDF</a>
Sec. 4 SW NE SE	El Paso Merchant Energy Petroleum Co.	36.5 ft.	13.4 ft.		Injection well/air sparge (AS)/shallow	I 38	Plugged	14-Dec-2005	<a href="#">PDF</a>

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## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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URL=<http://www.kgs.ku.edu/Magellan/WaterWell/index.html>  
Display Programs Updated July 29, 2004  
Data added continuously.

[http://abyss.kgs.ku.edu/pls/abyss/www5.www5d2.dispTRS?f\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/www5.www5d2.dispTRS?f_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

<b>KGS</b>	<b>Water Well Database Query</b>
Hydrology	

Township: 27S, Range: 1E, Section: 4  
Select location of well to view details.  
Click on column heading to sort.

[Save Data to File](#)[Map Wells in This Area](#)

517 records. Only 50 records displayed at a time--sort will affect ALL records. (Sort on Well Use is NOT alphabetical--wells are grouped by use code.)

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T-R-S	Owner	Well Depth Ascend. Desc.	Static Water Level Ascend. Desc.	Est. Yield Ascend. Desc.	Well Use	Other ID	Action Taken	Completion Date Ascend. Desc.	Scan?
Sec. 4 SW NE SE	El Paso Merchant Energy Petroleum Co.	36.9 ft.	13.2 ft.		Injection well/air sparge (AS)/shallow	I 37	Plugged	14-Dec-2005	PDF
Sec. 4 SWNESE	COASTAL REFINRY	35 ft.	14.6 ft.		Injection well/air sparge (AS)/shallow		Constructed	01-May-1995	
Sec. 4 SWNESE	COASTAL REFINRY	34 ft.	14.4 ft.		Injection well/air sparge (AS)/shallow		Constructed	01-May-1995	
Sec. 4 SENWSE	COASTAL REFINRY	33 ft.	13.4 ft.		Injection well/air sparge (AS)/shallow		Constructed	02-May-1995	
Sec. 4 SENWSE	COASTAL REFINRY	33 ft.	12.7 ft.		Injection well/air sparge (AS)/shallow		Constructed	02-May-1995	
Sec. 4 SENWSE	COASTAL REFINER	36 ft.	13 ft.		Injection well/air sparge (AS)/shallow		Constructed	02-May-1995	
Sec. 4 SENWSE	COASTAL REFINRY	36 ft.	13.9 ft.		Injection well/air sparge (AS)/shallow		Constructed	02-May-1995	
Sec. 4 SWNWSE	COASTAL REFINER	36 ft.	12.3 ft.		Injection well/air sparge (AS)/shallow		Constructed	02-May-1995	
Sec. 4 NW SW SE	COASTAL REFINER	37 ft.	11.63 ft.		Injection well/air sparge (AS)/shallow		Constructed	28-Apr-1995	
Sec. 4 NW SW SE	COASTAL REFINER	33 ft.	12.83 ft.		Injection well/air sparge (AS)/shallow		Constructed	28-Apr-1995	
Sec. 4 SWNWSE	COASTAL REFINER	37 ft.	13.38 ft.		Injection well/air sparge (AS)/shallow		Constructed	27-Apr-1995	
Sec. 4 NWSWNE	COASTAL REFINER	37 ft.	13.04 ft.		Injection well/air sparge (AS)/shallow		Constructed	27-Apr-1995	

Sec. 4 NWSWSE	COASTAL REFINER	33 ft.	13.38 ft.		Injection well/air sparge (AS)/shallow		Constructed	27-Apr-1995	
Sec. 4 NWSWSE	COASTAL REFINER	36 ft.	12.98 ft.		Injection well/air sparge (AS)/shallow		Constructed	27-Apr-1995	
Sec. 4 NWSWSE	COASTAL REFINER	34 ft.	12.33 ft.		Injection well/air sparge (AS)/shallow		Constructed	27-Apr-1995	
Sec. 4 SWNWSE	COASTAL REFINER	38 ft.	12.98 ft.		Injection well/air sparge (AS)/shallow		Constructed	27-Apr-1995	
Sec. 4 NWNESE	COASTAL REFINER	36 ft.	12.92 ft.		Injection well/air sparge (AS)/shallow		Constructed	25-Apr-1995	
Sec. 4 SWNESE	COASTAL REFINER	36 ft.	12.52 ft.		Injection well/air sparge (AS)/shallow		Constructed	25-Apr-1995	
Sec. 4 SWNESE	COASTAL REFINER	38 ft.	14.15 ft.		Injection well/air sparge (AS)/shallow		Constructed	25-Apr-1995	
Sec. 4 SWNESE	COASTAL REFINER	36 ft.	13.06 ft.		Injection well/air sparge (AS)/shallow		Constructed	24-Apr-1995	
Sec. 4 SWNESE	COASTAL REFINER	35 ft.	14.17 ft.		Injection well/air sparge (AS)/shallow		Constructed	24-Apr-1995	
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	33.4 ft.	12.4 ft.		Injection well/air sparge (AS)/shallow	I 3	Plugged	14-Dec-2005	PDF
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	34.9 ft.	12.2 ft.		Injection well/air sparge (AS)/shallow	I 1	Plugged	14-Dec-2005	PDF
Sec. 4 NW SW SE	El Paso Merchant Energy Petroleum Co.	37.7 ft.	12.8 ft.		Injection well/air sparge (AS)/shallow	I 5	Plugged	14-Dec-2005	PDF
Sec. 4 SW NW SE	El Paso Merchant Energy Petroleum Co.	37.9 ft.	13 ft.		Injection well/air sparge (AS)/shallow	I 27	Plugged	14-Dec-2005	PDF
Sec. 4 SW NW SE	El Paso Merchant Energy Petroleum Co.	37.1 ft.	12.6 ft.		Injection well/air sparge (AS)/shallow	I 7	Plugged	14-Dec-2005	PDF
Sec. 4 NW SW	El Paso Merchant	33.4 ft.	13.1 ft.		Injection well/air sparge	I 3R	Plugged	14-Dec-	PDF

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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SE	Energy Petroleum Co.				(AS)/shallow			2005	
Sec. 4 CSSESE	DERBY REFINERY	34 ft.	17 ft.	0 gpm.	Other		Constructed	10-Oct-1988	
Sec. 4 CSSESE	DERBY REFINERY	26 ft.	14 ft.	0 gpm.	Other		Constructed	11-Oct-1988	
Sec. 4 SESWSE	DERBY REFINERY	33 ft.	16 ft.	0 gpm.	Other		Constructed	11-Oct-1988	
Sec. 4 SESWSE	DERBY REFINERY	27 ft.	14 ft.	0 gpm.	Other		Constructed	12-Oct-1988	
Sec. 4 SESWSE	DERBY REFINERY	32 ft.	13 ft.	0 gpm.	Other		Constructed	12-Oct-1988	
Sec. 4 SE SW SE	El Paso Merchant Energy	32 ft.			Other	ES 5 A	Constructed	06-Dec-2007	PDF
Sec. 4 SE SW SE	El Paso Merchant Energy	31.5 ft.			Other	ES 5 B	Constructed	07-Dec-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	34 ft.			Other	ES 5 E	Constructed	18-Dec-2007	PDF
Sec. 4 SE SW SE	El Paso Merchant Energy	33 ft.			Other	ES 5 D	Constructed	17-Dec-2007	PDF
Sec. 4 NESESE	COASTAL REFINER	30 ft.	16.09 ft.	0 gpm.	Other		Constructed	20-Apr-1995	
Sec. 4 SFWSWE	COASTAL REFINER	30 ft.	14.02 ft.	0 gpm.	Other		Constructed	19-Apr-1995	
Sec. 4 NWSESE	COASTAL REFINER	29 ft.	14.83 ft.	0 gpm.	Other		Constructed	19-Apr-1995	
Sec. 4 SESWSE	COASTAL REFINER	35 ft.	14.97 ft.	0 gpm.	Other		Constructed	19-Apr-1995	
Sec. 4 NESWSE	COASTAL REFINER	30 ft.	16.45 ft.	0 gpm.	Other		Constructed	18-Apr-1995	
Sec. 4 SESWSE	COASTAL REFINER	30 ft.	16.74 ft.	0 gpm.	Other		Constructed	18-Apr-1995	
Sec. 4 NESWSE	COASTAL REFINER	30 ft.	17.07 ft.	0 gpm.	Other		Constructed	18-Apr-1995	
Sec. 4 SWSWSE	COASTAL REFINER	30 ft.	13.12 ft.	0 gpm.	Other		Constructed	17-Apr-1995	
Sec. 4 SENWSE		27 ft.	10 ft.	0 gpm.	Other		Constructed	17-Feb-1983	
Sec. 4 SW SE SE	El Paso Merchant Energy	31 ft.			Other	ES 3	Constructed	16-Mar-2007	PDF
Sec. 4	El Paso Merchant	32 ft.			Other	ES 2	Constructed	16-Mar-	PDF

[http://abyss.kgs.ku.edu/pls/abyss/www5.www5d2.dispTRS?f\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/www5.www5d2.dispTRS?f_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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SW SE SE	Energy				B		2007		
Sec. 4 SW SE SE	El Paso Merchant Energy	32.5 ft.	9.4 ft.		Other	ES 1	Constructed	16-Mar-2007	PDF
Sec. 4 SW SE SE	El Paso Merchant Energy	32.5 ft.			Other	ES 2 A	Constructed	16-Mar-2007	PDF
Sec. 4 NENESP	COASTAL REFINER	29 ft.	15 ft.	0 gpm.	Other		Constructed	20-Apr-1995	

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## Kansas Geological Survey

Comments to [webadmin@kgs.ku.edu](mailto:webadmin@kgs.ku.edu)URL=<http://www.kgs.ku.edu/Magellan/WaterWell/index.html>

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## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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KGS	Water Well Database Query	Township: 27S; Range: 1E, Section: 4	Save Data to File	Map Wells in This Area
Hydrology		Select location of well to view details. Click on column heading to sort.		

517 records. Only 50 records displayed at a time--sort will affect ALL records. (Sort on Well Use is NOT alphabetical--wells are grouped by use code.)

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T-R-S	Owner	Well Depth Ascend. Desc.	Static Water Level Ascend. Desc.	Est. Yield Ascend. Desc.	Well Use	Other ID	Action Taken	Completion Date Ascend. Desc.	Scan?
Sec. 4 SWSESE	COASTAL REFINER	28 ft.	19.99 ft.	0 gpm.	Other		Constructed	20-Apr-1995	
Sec. 4 CSSESE	DERBY REFINERY	34 ft.	20 ft.	0 gpm.	Other		Constructed	10-Oct-1988	
Sec. 4 SENESE	COASTAL REFINRY	35 ft.	12 ft.	100 gpm.	Other		Constructed	16-Mar-1993	
Sec. 4 SENESE	COASTAL REFNRY	35 ft.	12 ft.	100 gpm.	Other		Constructed	17-Mar-1993	
Sec. 4 NESWSE		25 ft.	11 ft.	0 gpm.	Other		Constructed	15-Jan-1983	
Sec. 4 SESWSE	DERBY REFINERY	26 ft.	13 ft.	0 gpm.	Other		Constructed	13-Oct-1988	
Sec. 4 SW NF SW	Wildcat Construction	30 ft.	14 ft.		Feedlot/Livestock/Windmill		Plugged	19-Sep-2000	Scan
Sec. 4 CS SW SE	Coastal Refinery	35 ft.	10 ft.		Recovery/Soil Vapor Extraction/Soil Vent	RW-37	Constructed	10-Dec-1998	Scan
Sec. 4 CS SE SE	Coastal Refinery	33 ft.	10 ft.		Recovery/Soil Vapor Extraction/Soil Vent	RW-38	Constructed	10-Dec-1998	Scan
Sec. 4 E2 SE SE	Coastal Refinery	30 ft.	10 ft.		Recovery/Soil Vapor Extraction/Soil Vent	RW-41	Constructed	10-Dec-1998	Scan
Sec. 4 NW SE SE	Coastal Refinery	29 ft.	10 ft.		Recovery/Soil Vapor Extraction/Soil Vent	RW-27R	Constructed	10-Dec-1998	Scan
Sec. 4 E2 SE SE	Coastal Refinery	28 ft.	10 ft.		Recovery/Soil Vapor Extraction/Soil Vent	RW-24R	Constructed	10-Dec-1998	Scan
Sec. 4 W2 SE SE	Coastal Refinery	30 ft.	10 ft.		Recovery/Soil Vapor Extraction/Soil Vent	RW-23R	Constructed	10-Dec-1998	Scan
Sec. 4 SW SE SE	Coastal Refinery	35 ft.	10 ft.		Recovery/Soil Vapor Extraction/Soil Vent	RW-29R	Constructed	24-Mar-1999	Scan
Sec. 4 N2 SW	Coastal Refinery	32.5 ft.	10 ft.		Recovery/Soil Vapor Extraction/Soil Vent	RW-34	Constructed	16-Dec-1998	Scan

[http://abyss.kgs.ku.edu/pls/abyss/wwc5.wwc5d2.dispTRS?f\\_t=27&f\\_r=1&ew=E&f\\_s=4&sort\\_by=12&f\\_...](http://abyss.kgs.ku.edu/pls/abyss/wwc5.wwc5d2.dispTRS?f_t=27&f_r=1&ew=E&f_s=4&sort_by=12&f_...) 3/10/2010

## KGS--Water Wells Query Answer--Township: 27S, Range: 1E, Section: 4

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SE									
Sec. 4 NW SE SE	Coastal Refinery	33 ft.	10 ft.		Recovery/Soil Vapor Extraction/Soil Vent	RW-35	Constructed	10-Dec-1998	Scan
Sec. 4 SW SW SE	Coastal Refinery	35 ft.	10 ft.		Recovery/Soil Vapor Extraction/Soil Vent	RW-36	Constructed	10-Dec-1998	Scan

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## Kansas Geological Survey

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## **10.6 Field Notes**

October 1st, 2009

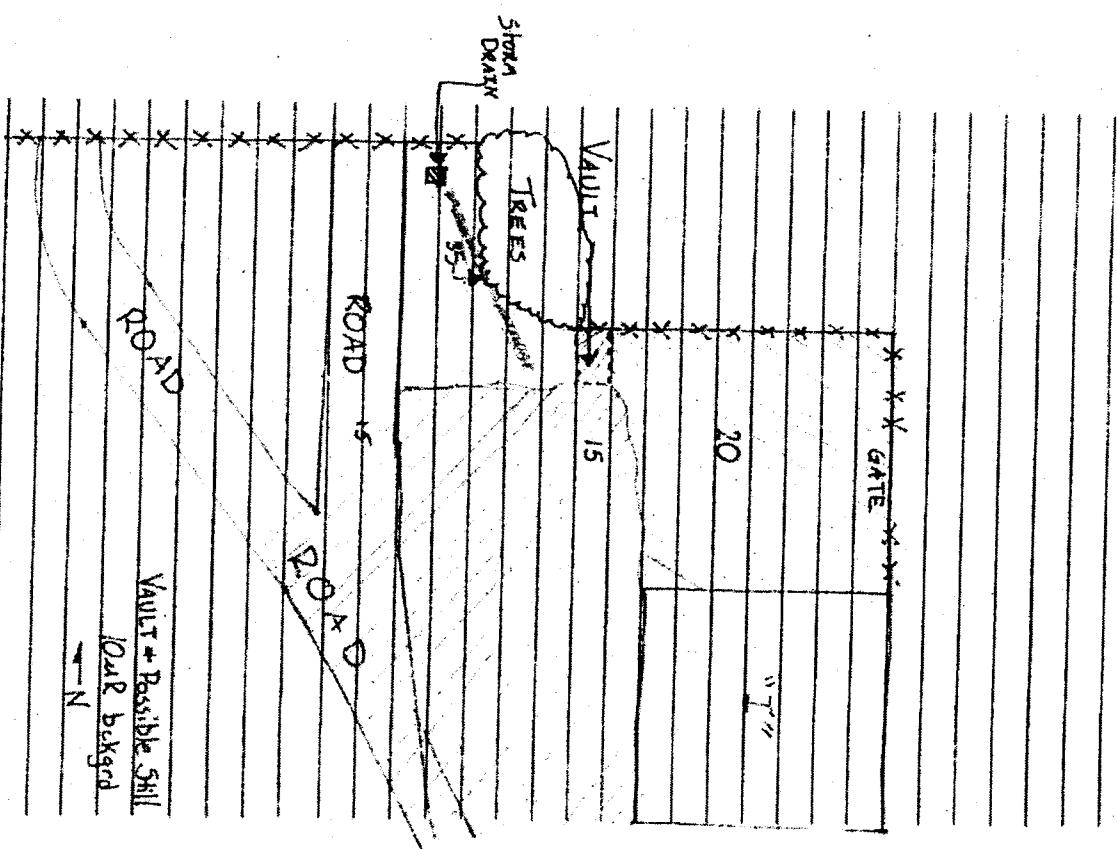
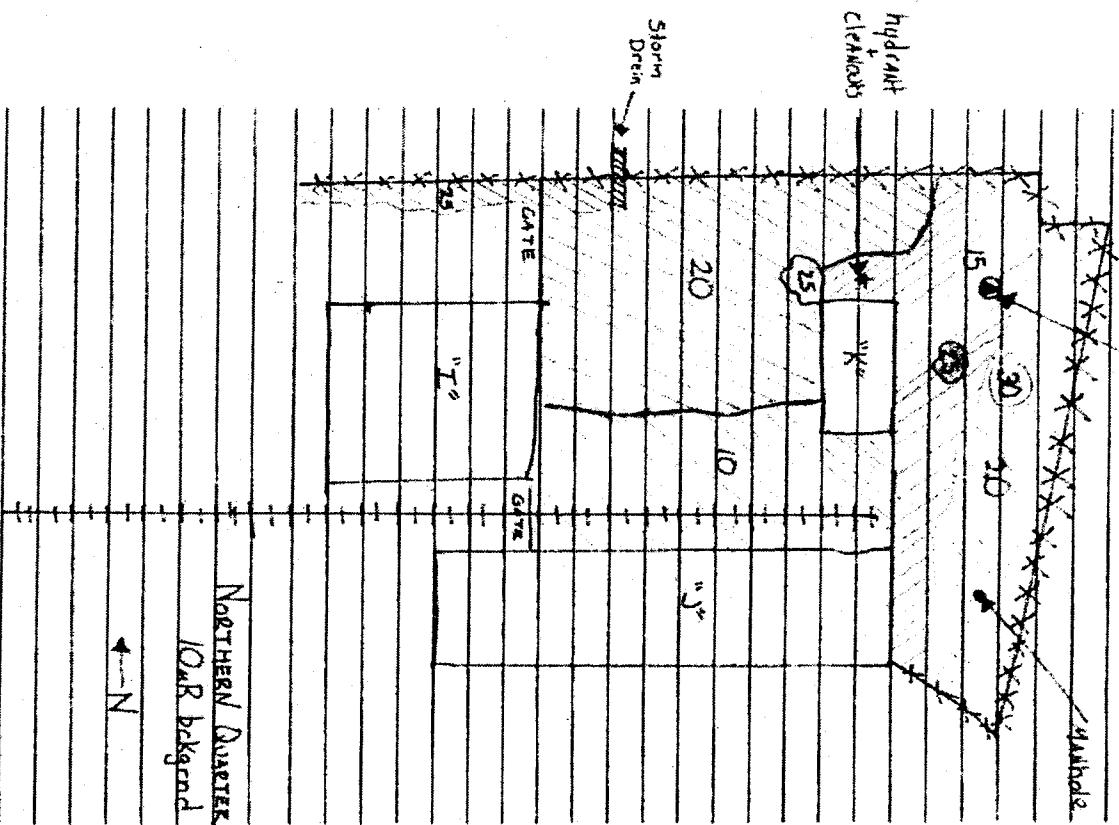
- 10' - ARRIVED at site met with Christine Lamp, EPA, Matthew Nibley, Clean Harbors  
Obtained background readings for both survey meters in concrete AC parking lot
- SURVEYED Northern quarter suspected drum storage locations No areas found greater than 3x background
- SURVEYED concrete vault and possible still location Found area of concern, 35A/hr line source located discharge from storm drain to building first to tree line.
- SURVEYED steel perimeter outside fence line Followed dry creek bed to first ditch offsite No areas greater than 3x background
- 12:15 LUNCH

October 1st, 2009 (cont.)

- 10' per Bettina Akron which Survey Western Quarter past controlled area. Includes loading area and paint & solvent spill locations No areas greater than 3x background Gassy area inside turn around elevated at 25-30 ft/hr.
- SURVEYED covered storage area. No areas greater than 3x background
- 7 pm LEAVE SITE

111 N JEWELL

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